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ABSTRACT

This document presents a study of 20,000 transfer applicants to 48 Massachusetts colleges and universities for fall 1973. Questionnaires and college visitations were used to obtain data. Findings indicated that much transfer articulation activity has taken place in the last three years in Massachusetts, primarily due to the efforts of the State Transfer Articulation Committee, and the Transfer Review Council. Data indicated: (1) 34 percent of all the transfer applications are submitted by students at public community colleges, 32 percent come from students at private 4-year colleges, 20 percent come from students attending public 4-year colleges, 11 percent are submitted by private junior college students, and 3 percent come from students attending other kinds of institutions; (2) Of the 12,480 transfer students who were legal residents of Massachusetts, 22 percent of them were attending colleges outside Massachusetts, and 78 percent were attending colleges within the state; (3) 64 percent of the total pool were legal residents of Massachusetts; 34 percent of the pool were nonresidents; and 2 percent were from foreign countries; (4) By sector, 32 percent were Massachusetts legal residents applying to private colleges; 90 percent to the State College system; 86 percent to the University of Massachusetts system; and 79 percent to other 4-year publics. Additional findings and statistical data are included. (MJM)

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COLLEGE TRANSFER STUDENTS IN MASSACHUSETTS:

A Study of 20,000 Transfer Applicants
To 48 Massachusetts Colleges
and Universities For
Fall, 1973.

by

Ernest W. Beals

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
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Acknowledgments

Particular appreciation goes to Chancellor Patrick McCarthy and his staff at the Massachusetts Board of Higher Education for their support and sponsorship of this much needed study on transfer students.

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Special thanks go to Mr. Donald Rutherford of the University of Massachusetts at Amherst Student Affairs Data Processing Center and Mr. Edward Jacobson of the College Entrance Examination Board for their advice and expertise in programming and designing the data output.

I wish also to thank the many participating admissions officers for their cooperation and diligence in collecting the questionnaire forms.

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FOREWORD

by

Patrick E. McCarthy
Chancellor

Massachusetts Board of Higher Education

The area of transfer student articulation has reached a new level of importance in Massachusetts as well as in the nation. Increasing mobility of students, the enrollment growth of the two year community colleges, and the growing number of students moving from one four year institution to another have added a dimension in higher education which has never been fully recognized nor fully understood.

In Massachusetts recognition of the importance of the transfer students formally began in 1971 with the establishment of the State Transfer Articulation Committee and the Transfer Review Council. The diligent work of the members of these organizations culminated in the formalization of the Commonwealth Transfer Compact in May of 1974.

The study which Dr. Ernest Beals has so ably prepared indicated, with hard statistical evidence, the dimensions of the transfer articulation activities within the Commonwealth. It is a unique study which updates prior local and national research activities. This study should provide a new basis on which policy makers will review their past decisions and be better prepared for the future.

I wish to thank Dr. Beals, the participating admissions officers, and all of the other personnel in the public and private sectors of the higher education community within the Commonwealth who have assisted in the development of this study.

Introduction: In 1969, Dr. Warren W. Willingham a senior research psychologist of the Educational Testing Services, and Nurham Findikyan a research associate on the College Entrance Examination Board staff, published the results of their nationwide study entitled; "Transfer Students: Who's moving from where to where, and what determines who's admitted." The authors maligned and rightfully so, the Northeast sector of the country for its failings to deal with the transfer student phenomenon in an honest, realistic, and effective fashion:

"The most noticeable regional variation occurs in the Northeast. Not only do fewer students transfer to or from there, but that region is markedly atypical in that its public institutions enroll no more than do its private colleges. Also, the affluent institutions of the Northeast enroll very few transfers - about one-ninth the number enrolled in comparable institutions in the Midwest!"

"In the West 80% of the transfers come from public institutions, while in the Northeast only 35% do. Again in the West 2 out of 3 originate in junior colleges, but in the Northeast it is only 1 out of 6."

"Nationwide, it is certainly the large public institutions that are most heavily in the transfer business but regional variations are prominent. The Northeast has an unusually high rejection rate and the lowest proportion of transfers among its entering students."

"Also, the proportion of transfer students in public institutions in the Northeast appears to be less than half that of public colleges in the rest of the country. The affluent institutions in the Northeast reject 2 out of 3 transfer applicants and enroll about one-fourth as many transfers as do affluent colleges in other regions (6 percent versus 25 percent). Thus several lines of data indicate that transfer admission is particularly choked-up in the Northeast quadrant of the country."

"As a further illustration of the transfer situation in the Northeast, 5% of the colleges there 'encourage transfers' in their publications; the corresponding figure for the rest of the country is 35%."

"In large institutions, only 1 out of every 10 transfers receives any form of financial aid."

"In the area of the awarding of transfer credit, the regional differences follow the familiar pattern, ranging from 1 student out

of 4 losing a semester in the Northeast to 1 student in 14 in the West."

"A policy of accepting D grades with some restrictions varies widely in public institutions across the country from 11 percent in the Northeast to 80% in the West."

Willingham and Findikyan write in their summary statements:

"The Northeast quadrant of the country certainly has the most inertia to overcome. Every line of evidence indicates that opportunity to transfer is severely limited in this region."

In support of the Northeast in general, and Massachusetts in particular, in 1969 the transfer syndrome was new and relatively untried. It sneaked up on Massachusetts and caught the State Commonwealth unaware and unprepared. However, it was the Willingham and Findikyan report that spurred a few "grass-roots" educators who recognized the newly forming problems concerning transfers, to do something about the chaotic conditions in Massachusetts at that time.

In September of 1971, 21 of these educators, mostly admissions officers and transfer counselors at two and four year, public and private colleges banded together to form the Massachusetts State Transfer Articulation Committee (STAC). There was no state agency officially established to deal with the problem.

The STAC immediately realized that it needed to accomplish three major objectives if it were to have the necessary impact to affect positive changes in the field of transfer articulation:

1. Collect data about transfer students and colleges and universities in Massachusetts that deal with transfer students. Data provides a basis and a rationale for evaluating and changing policies where needed.
2. Educate admissions officers, transfer counselors, and chief administrative officers as to the problems and resolutions of the transfer dilemma in Massachusetts.
3. Develop a vehicle for implementing new policies, practices, and procedures in the field of transfer articulation at both the individual campus level and at the state-wide level.

Within a span of three years, each of those above objectives has been met at least to some extent. Concerning the first objective, transfer vacancy surveys were conducted in 1971 and 1973 and the results distributed throughout the state. In 1972, STAC conducted an intensive study entitled, "Study of Massachusetts Two-Year College Students: Implications for Massachusetts Four-Year Colleges and Universities" (Beals).

This study was based upon 15,000 public and private two-year college students. The study provided information about two year college students as to their past academic characteristics, future transfer plans, educational aspirations, financial aid

plans, work plans, and curriculum needs as indicated by their past and intended subject matter majors. In addition it indicated as to where they wished to transfer. It was the first data base on at least a segment of the transfer student population in the State of Massachusetts, and provided the pedestal for a sequential STAC sponsored study entitled, "Summary Profile Of The Transfer Students At Selected Four-Year Educational Institutions in Massachusetts - September 1972" (Rahaim, 1974).

The population studied in Dr. Rahaim's work consisted of more than 7000 transfers who were accepted at 38 public and private four-year colleges in Massachusetts. Her study differs from this study in that her findings were based on total population figures rather than the sub-groups breakdown and cross-references of this study. Also, her study was related to transfers who were accepted, while this study followed the transfer process from the application stage through the enrolled stage.

The Two-Year Study and Dr. Rahaim's study served as a good foundation on which to build this study.

Concerning objective number two, educating admissions officers, transfer counselors, and administrative officers, STAC conducted three very successful two-day workshop conferences on Cape Cod in 1972, 1973, and 1974. At each workshop more than two-hundred educators from throughout New England participated. As a result of these workshops many positive changes concerning the transfer student have taken place at the individual campus level.

As for the third objective, developing clout at the statewide level, great progress has been made, but much more

needs to be done. STAC requested from the executive heads of all segments of public higher education in Massachusetts the establishment of a policy recommending arm of STAC. This was accomplished by the appointment of a 20 member Transfer Review Council, (TRC) recognized as a state agency and endorsed by the Massachusetts Board of Higher Education. Its major contribution to the transfer articulation scene in Massachusetts has been the recently implemented "Commonwealth Transfer Compact". This compact provides fair and equitable treatment of two-year college transfer students who meet the conditions of the compact and who are accepted at public four-year colleges. It is expected that this compact will be expanded to include all four-year private colleges and universities in Massachusetts that wish to sign the agreement pact.

TRC is in a position to implement the findings, suggestions, and recommendations of STAC. It is expected that the TRC will be expanded to include private college and university members. Massachusetts has now progressed far enough in the area of transfer articulation to become more sophisticated in its data collection, techniques, and analysis.

Both the STAC and TRC requested the Massachusetts Board of Higher Education to take a more active role in the area of state-wide transfer articulation. In particular, they requested the development of a transfer student information system. Chancellor of Higher Education, Patrick McCarthy responded in a most affirmative way by authorizing a study of the transfer students who would apply for admission in Massachusetts public and private four-year colleges for the fall semester of 1973. He named as the project director, Dr. Ernest W. Beals, then Director of the Office of Transfer

Affairs, at the University of Massachusetts at Amherst, and most recently appointed Associate Director of the New England Regional Office of the College Entrance Examination Board. Funding for the study was jointly sponsored by the Board of Higher Education, The Association of Independent Colleges and Universities of Massachusetts, the Community College System, the State College System, and the University of Massachusetts, Southeastern Massachusetts University, and Lowell Technological Institute.

Purpose of the Study: Transfer admissions in four-year colleges and universities is now big business in Massachusetts. Many of these colleges depend greatly upon the transfer to replenish the decreasing enrollment particularly at the upper-division level. In a recent survey conducted by STAC (Wernig) for the fall of 1973, 38,835 applications were received at 58 four-year colleges in Massachusetts. Of that number 20,726, or 53.4% of the total application pool were offered admission. Of the acceptances, 14,437 enrolled, which is 69.8% of the accepted pool.

These data were further broken down into public, private, and church affiliated institutions. This is vital information, but needless to say many important questions are left unanswered: From where do the transfer students come, and in what numbers? Where do they apply? Where are they rejected? Where do they enroll? What are their previous and current academic characteristics? How many actual human beings are represented in the numbers of applications (the old multiple application problem)? What are their socio-economic background? What are their important demographic characteristics (sex, age, marital, residence, etc)? What about the veteran in the transfer process? What are transfer students' educational aspirations?

Where do they expect to find funds for financing their education once they transfer? What are their current and intended academic majors? What are the migration patterns (2-year to 4-year, 4-year to 4-year, public to private, private to private, private to public)?

Individual campuses, and certainly state level agencies such as the Board of Higher Education and AICUM, need answers to the above questions if they are to plan effectively and assist colleges and universities to accommodate and educate this relatively new breed of undergraduate student. Admissions officers need the information in order to recruit more effectively. College counselors and academic advisors need such information in order to assist the transfer in making an easier adjustment at his new institution. Academic deans need such information so that they can adapt their curricula to meet the academic needs and demands of these transfers.

This study attempted to help answer some of these questions, while at the same time provided a basic data bank on transfers for each of the participating four-year institutions, the various segments of higher education, and the state as a whole.

Procedures: If the study was to accomplish its major goals, then it would be necessary to have a very high percentage of the four-year colleges in Massachusetts participate. In effort to accomplish this, Chancellor McCarthy wrote a personal letter to each of the Presidents of the 54 colleges and universities in the state who dealt in any numbers at all in transfers and asked their support by agreeing to participate. This letter was then followed by a personal visit by the project director to 45 of the 54 directors of admissions. He explained to the admissions officers the purpose of the

study. At the same time he asked for their input by reviewing and recommending revisions of rough drafts of the data collection instrument which the project director had previously drafted. Every one of the 54 institutions agreed to participate thus assuring the study to be truly representative of the state four-year colleges. It also showed a spirit of cooperation between segments which is most gratifying and augurs well for future cooperation.

The scheduled steps involved in conducting the study included:

1. August - October 1972 - college visitations
2. November - distribution of data collection instruments to all officers of admissions
3. November 1972 - June 1973 - admissions officers sent questionnaires to prospective transfer students with the application and requested the student to return the questionnaire with the application.
4. November 1972 - July 1973 students filled out a questionnaire for each school to which they applied and returned the questionnaire to the receiving institution. Admissions officers merely collected the returned forms until mid-summer when they mark-sensed the action taken upon each application (accepted, enrolled, accepted and withdrawn, withdrew before action taken, acceptable but no room, and rejected).
5. July 1973 - November 1973, admission officers sent the completed questionnaires

to the project director. The questionnaires were then optically scanned and scored. The summary frequency distributions and percentages for each item were tabulated and each four-year institution received a summary report for his own institution for use in any way he felt appropriate within his own college or university.

6. January 1974 - March 1974 - Consultants at the College Entrance Examination Board provided the computer programming and print-outs of the data analysis.
7. March - July 1974 - Project director completed the writing of the report.
8. Sept 1974 - The report was printed and distributed.

Limitations of the Study:

1. The 19,860 does not compose the actual total number of applications (38,835) received at all four-year colleges in Massachusetts, but does represent about 51% of the total application pool. Some colleges had a small return of questionnaires, and did not attempt to increase the return percentage, while others worked at obtaining a high rate of return.
2. The information is based upon student responses to the questionnaire only

through the time of application, and does not tell us about post-admissions characteristics of transfer students.

3. All information, except the action taken upon the application, is student self-reported.
4. Not all students responded to every item on the questionnaire.

Findings

As indicated in the introduction to this study, much transfer articulation activity has taken place in the last three years in Massachusetts, primarily due to the efforts of the State Transfer Articulation Committee (STAC), and the Transfer Review Council (TRC). Their efforts have indeed had an impact upon higher education. Some of the following findings of this study can attest to their work.

In 1969, Willingham and Findikyan found that in the Northeast sector, of which Massachusetts was indeed a major state within that region, "its public institutions enroll no more transfers than do its private colleges". No longer is this true. Public four-year institutions in Massachusetts now enroll 61% of all transfers, while the private sector enrolls 39%. (See Table 1)

However, as was the case in 1969 and still is today, the affluent and very selective private colleges enroll very few transfers. Reference to Table 10 indicates that those colleges as a group have not really entered into the transfer student movement to any discernible degree. There are a few small highly selective and affluent colleges in Massachusetts, however,

who have increased their intake of transfers significantly by making concerted efforts to recruit transfers. At one of these small colleges, 10% of their newly entering students is reserved for transfers, with a high proportion of these coming from public community colleges.

Again in 1969 the Northeast was chided for the fact that 1 out of 6 or 17% of the transfers came from two-year colleges. Now in Massachusetts, 1 out of 2 or 52% of all transfers enrolling in four-year colleges come from two-year colleges. Of course much of this change in two-year to four-year movement reflects the significant growth in the last five years of the Massachusetts Community College System. Nevertheless, most of the four-year colleges in Massachusetts, public and private, provide good access for two-year college transfer applicants as can be noted by reference to Table 1. The STAC articulation workshops undoubtedly have led to a better understanding of the two-year college transfer student. Also, publication of two-year college transfer performance studies conducted at the University of Massachusetts/Amherst, Boston University, and others has provided confidence within the state as a whole in accepting the two-year college transfer student.

Careful study of Table 1 clearly shows that the State of Massachusetts is very much involved in the transfer movement, and no longer can be included in the region as described by Willingham and Findikyan, "The Northeast quadrant of the country certainly has the most inertia to overcome. Every line of evidence indicates that opportunity to transfer is severely limited in this region".

Table 1 also shows that community college students have excellent chances for admission in all sectors of higher education

in the State of Massachusetts, as they have higher ratios of acceptances to applications than the applicants from private two-year colleges, public four-year colleges, and private four-year colleges.

Community college students apply in much greater numbers to public four-year colleges than to private four-year colleges. Only 1,210 (19%) of the 6,457 applicants from community colleges applied to the private sector. It seems likely that the higher cost of attending private colleges dampens the enthusiasm for many students attending community colleges who might otherwise seek to transfer to private colleges.

Applicants from private junior colleges, although to a much lesser extent than community college applicants, tend to apply in greater numbers to public four-year colleges than private four-year colleges. Of the total two-year private junior college transfer application pool, 57% applied to public institutions, and 43% applied to private institutions.

Not only do more private junior college students apply to public colleges, they also have a slightly better chance of being accepted in the public colleges and universities than in the private institutions. Fifty-five percent of those applying to public colleges were offered admission compared to 49% at the private colleges.

Students seeking transfer from private four-year colleges have the lowest ratio of acceptance when compared with the ratio of those students seeking transfer from community colleges, junior colleges, and public four-year colleges. Only the "other" four-year publics (Lowell Technological Institute and Southeastern Massachusetts University) had a higher acceptance percentage (69%) of applicants from four-

year private colleges. However, even though they had a higher acceptance ratio, the yield of those accepted to enrolled at "the other four-year publics", was lower from the private four-year candidates than the other three groups of applicants.

It now appears that student mobility at the undergraduate level is a rather common fact of the whole higher education scene in Massachusetts and throughout the nation. It touches many students in many different kinds of institutions, and undoubtedly for many different reasons. Equally it affects the institutions themselves.

It seems rather evident to this writer, that in order to deal more humanely, effectively, and honestly with these transfer students, the educational institutions must do everything in their power to learn more about this transfer student migration phenomenon.

From Where Do They Come? Where Do They Go?:

In an effort to answer the above questions as simply and directly as possible, the following data were taken from tables 1, 2, and 3.

From Where Do They Come?

1. 34% of all the transfer applications are submitted by students at public community colleges.
2. 32% come from students at private four-year colleges.
3. 20% come from students attending public four-year colleges.

4. 11% are submitted by private junior college students.
5. 3% come from students attending other kinds of institutions.
6. Of the 12,480 transfer students who were legal residents of Massachusetts, 22% of them were attending colleges outside Massachusetts, and 78% were attending colleges within the state.
7. 64%, or 12,480 of the total pool were legal residents of Massachusetts; 6,570 or 34% of the pool were non-residents; and 2% were from foreign countries.
8. By sector, 32% were Massachusetts legal residents applying to private colleges; 90% to the State College System; 86% to the University of Massachusetts System; and 79% to Other Four-Year Publics.

Where Do They Go?

1. 59% of all transfers apply to public colleges, and 41% apply to private colleges.
2. The private sector enrolls 39% of all the enrolled transfers, followed by the University of Massachusetts System with 32%, the State College System with 19%, and "Other Four-Year Publics with 10%.

3. The very affluent and selective large private four-year colleges are not much of a factor in the transfer scene in Massachusetts as they offer admission to less than 10% of their transfer applicants.
4. Of the accepted transfers, 37% were Massachusetts legal residents in the Private Sector; 93% in the State College System; 95% in the University of Massachusetts System; and 85% in the Other Four-Year Publics.

FLOW PATTERN

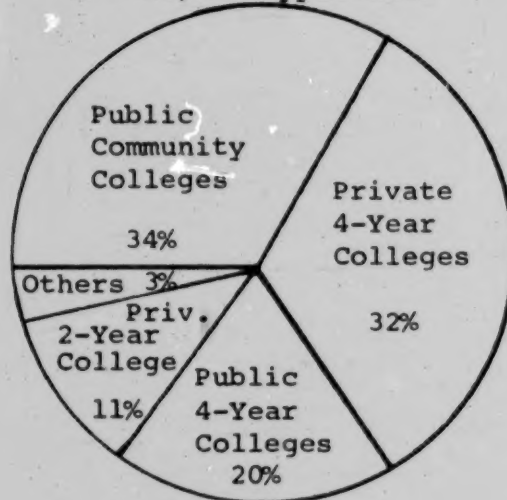
TABLE 1

Applying To→ Applying From ↓	Private Sector			State College System			U-Mass. System			Other Four-Year Publics		
	No. & % Acc.	No. & % Rej.	No. & % Enroll.	No. & % Acc.	No. & % Rej.	No. & % Enroll.	No. & % Acc.	No. & % Rej.	No. & % Enroll.	No. & % Acc.	No. & % Rej.	No. & % Enroll.
Public 2-Year	807 72%	315 28%	525 65%	1410 71%	584 29%	680 48%	1553 76%	501 24%	1165 75%	352 85%	61 15%	293 83%
Private 2-Year	511 65%	272 35%	314 61%	279 64%	156 36%	138 49%	256 57%	193 43%	164 64%	95 86%	16 14%	75 79%
Public 4-Year	962 62%	600 38%	569 59%	411 64%	227 36%	258 63%	448 43%	592 57%	350 78%	181 85%	33 15%	158 87%
Private 4-Year	1781 51%	1744 49%	1101 62%	347 62%	216 38%	181 52%	548 41%	782 59%	413 75%	168 90%	19 10%	127 76%
Other	158 61%	100 39%	104 66%	84 65%	46 35%	41 49%	79 51%	74 49%	60 76%	52 80%	13 20%	38 73%
Totals	4219 58%	3031 42%	2613 62%	2531 67%	1229 33%	1298 51%	2884 57%	2142 43%	2152 75%	848 86%	142 14%	691 81%

TABLE 2

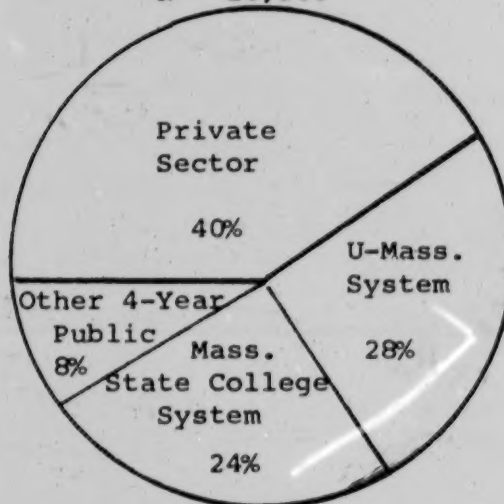
FROM WHERE DO THEY COME?

N = 19,860 Applicants



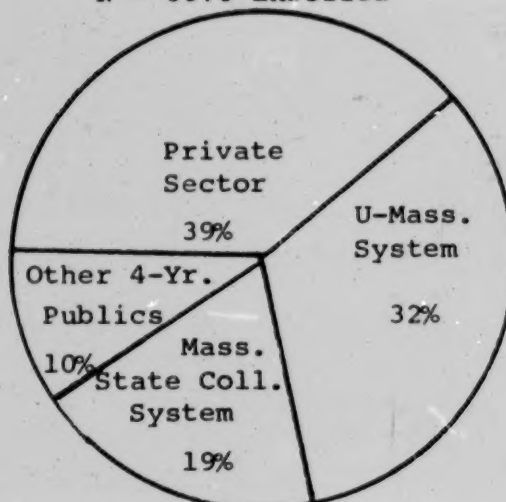
WHERE ARE THEY ACCEPTED?

N = 10,563



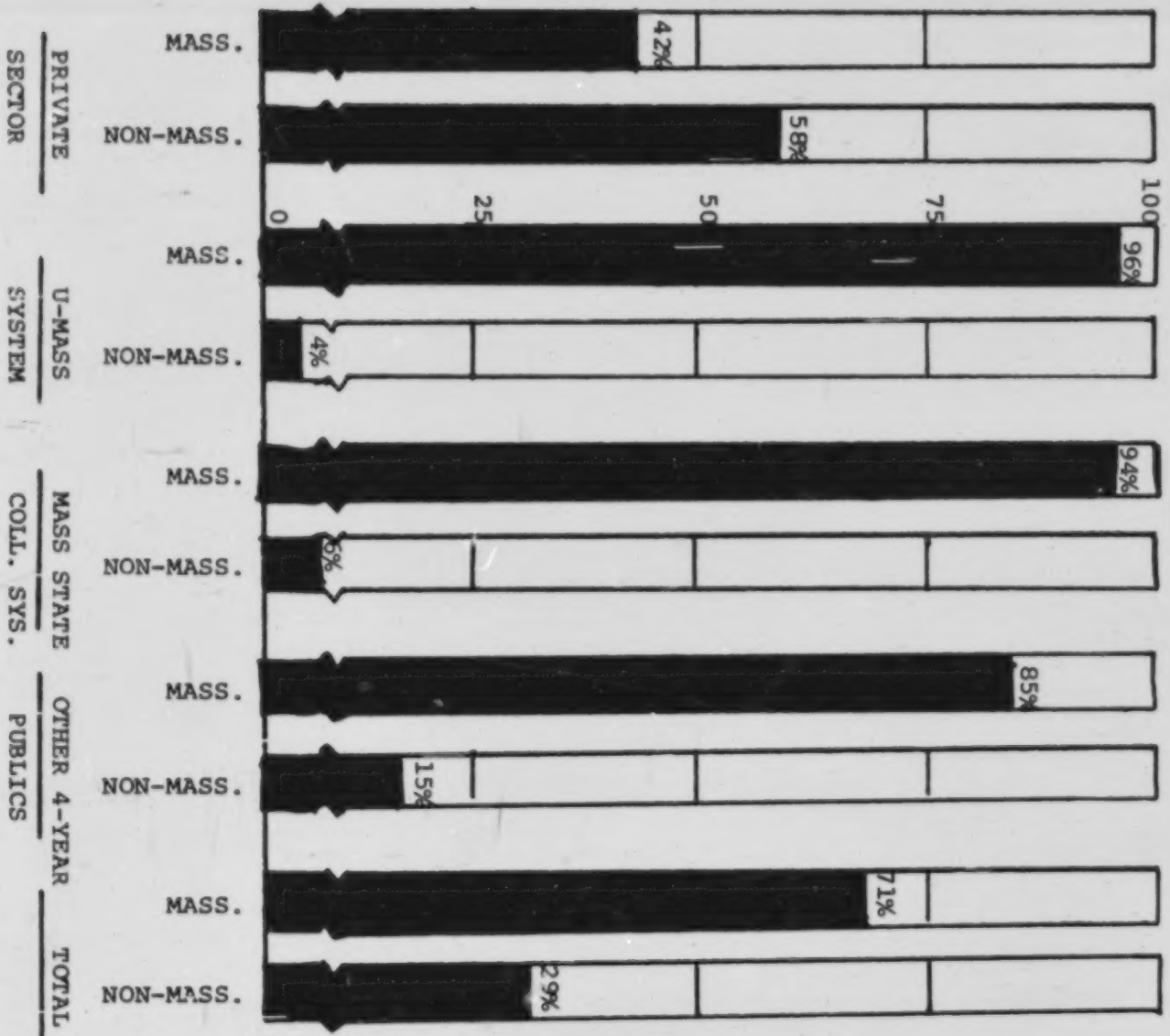
WHERE DO THEY ENROLL?

N = 6970 Enrolled



ENROLLMENT BY RESIDENCY

TABLE 3



APPLICANTS FROM MASSACHUSETTS AND NON-MASSACHUSETTS COLLEGES

BY LEGAL RESIDENCE

TABLE 4

	Massachusetts Resident		Non-Massachusetts Resident		Foreign Resident	
	N	%	N	%	N	%
Applying from Mass. College	9680	77.6%	1140	17.4%	120	24.5%
Applying from Non- Mass. College	2800	22.4%	5430	82.6%	370	75.5%

ADMISSIONS ACTIONS BY RESIDENCE

TABLE 5

RESIDENCE	PRIVATE SECTOR					STATE COLLEGE SYSTEM					U-MASS SYSTEM					OTHER 4-YR PUBLICS				
	Apps	Acc	Rej	%	Acc	Apps	Acc	Rej	%	Acc	Apps	Acc	Rej	%	Acc	Apps	Acc	Rej	%	Acc
Mass-From																				
2-Yr Pub	603	481	122	80%		1583	1338	245	85%		1888	1500	388	79%		358	306	52	85%	
2-Yr Priv	288	218	70	76%		315	249	66	79%		380	238	142	63%		82	71	11	87%	
4-Yr Pub	395	270	125	68%		461	366	95	79%		823	407	416	49%		174	147	27	85%	
4-Yr Priv	585	530	355	91%		392	303	89	77%		1081	507	574	47%		149	139	10	93%	
Non-Mass.																				
2-Yr Pub	495	316	179	64%		79	58	21	73%		132	41	91	31%		33	26	7	79%	
2-Yr Priv	447	266	181	60%		36	25	11	69%		44	10	34	23%		14	11	3	79%	
4-Yr Pub	1114	675	439	61%		62	37	25	60%		187	34	153	18%		30	24	6	80%	
4-Yr Priv	2517	1206	1311	48%		65	37	28	60%		215	33	182	15%		27	18	9	67%	
Foreign																				
2-Yr Pub	23	10	13	44%		10	8	2	44%		19	8	11	42%		20	18	2	90%	
2-Yr Priv	43	24	19	56%		7	5	2	71%		22	6	16	27%		15	13	2	87%	
4-Yr Pub	51	15	36	29%		6	6	0	100%		26	7	19	27%		9	9	0	100%	
4-Yr Priv	112	37	75	33%		7	5	2	71%		28	7	21	25%		11	11	0	100%	
TOTALS																				
2-Yr Pubs	1121	807	314	72%		1681	1404	277	84%		2039	1549	490	76%		411	350	61	85%	
2-Yr Priv	778	508	270	65%		358	279	79	78%		446	254	192	57%		114	95	16	86%	
4-Yr Pub	1560	960	600	62%		529	409	120	77%		1036	448	588	43%		213	180	33	85%	
4-Yr Priv	3514	1773	1741	51%		464	345	119	74%		1324	547	777	41%		187	168	19	90%	
GRAND TOTALS	6973	4048	2925	58%		3032	2437	595	80%		3845	2788	2047	73%		922	783	129	85%	

What Are The Academic Characteristics' of Transfer Applicants?

One of the objectives of this study was to determine the academic characteristics of transfer applicants. Overall as a group, and even in sub-group by sector of higher education, transfers present good academic credentials, including high school and college characteristics.

The mean high school average ranged from a low of 80.0% for applicants from private junior colleges who were rejected at the Other Four-Year Publics, to a high of 87.6% mean for private four-year applicants seeking to transfer to other four-year private colleges. (See Table 6)

The mean Verbal SAT scores ranged from a low of 411 on the rejected applicants who applied to the Other Four-Year Publics from private junior colleges, to a high of 570 for private four-year applicants seeking to transfer to other private colleges. (See Table 7)

The mean Mathematics SAT scores ranged from a low of 420 for applicants applying from private junior colleges and who were rejected at Other Four-Year Publics, to a high of 588 for applicants from four-year publics who were rejected by the Private Sector. (See Table 8)

The mean previous cumulative G.P.A. based on a 0.0 to 4.0 scale ranged from a low of 2.2 for applicants from four-year public colleges who were rejected at the Other Four-Year Publics, to a high of 3.3 for applicants from four-year publics who were rejected by the private sector. (See Table 9)

Review of Tables 6 through 9 shows that transfer applicants from four-year colleges present better academic credentials than do candidates from two-year colleges.

The academic characteristics of transfer applicants from four-year privates are slightly better than those of applicants from four-year public colleges. There is very little difference in the academic characteristics between applicants from public community colleges and private junior colleges.

Reference to Table 9 clearly indicates that there are many good transfers who are rejected, particularly by the private sector where as much as 80% of the rejects applying from four-year private colleges had a 3.0 or better G.P.A.. As a matter of fact the private sector's rejected candidates had better SAT scores, high school averages, and previous G.P.A. than did its accepted candidates! At first this was indeed a puzzle to this writer. How could this be? Was it just plain incompetence on the part of their admissions officers? Hardly so. Did they admit only those who could afford the costs? Probably not, as most admissions officers do not have all the financial aid information on hand at the time of making the admissions decision. Possibly the choice of subject matter majors was a cause for the discrepancy? Again, this was unlikely the case as data showed that the choice of majors was diverse and broad in scope.

There is a simple and realistic answer. It took a more detailed look of the admissions patterns of individual colleges to resolve the issue. The answer lies in the fact that the most selective and prestigious private four-year colleges reject up to 95% of all their transfer candidates. Table 10 shows comparison of admissions actions of three very selective private colleges with three less selective private colleges. College A of the highly selective group accepted 21 students and rejected 444. The mean G.P.A. of the rejected 444 was 3.5. College A of the less selective private colleges accepted

1,064 and rejected only 167. The mean G.P.A. of the rejected 167 was 2.8. This type of phenomenon of course would force the mean G.P.A. of the entire private sector rejects upward. The same pattern holds true for the SATs and high school average. The prestigious and selective private colleges, as Willingham and Findikyan found back in 1969, still are not much of a factor in the admission of transfer students.

In particular, it was felt important to establish the academic characteristics of those transfers who were rejected. Prior to this study, it was felt that there were a great many students in the 2.0 G.P.A. range who were not accepted for transfer. Actually, a relatively small percentage (10%) of transfers present cumulative college G.P.A.'s of 2.0 or under, and approximately 50% of those students are offered admissions. Of the 1,350 students in that category, 670 were offered admission.

Surprisingly, the Private Sector colleges rejected a lower percentage of those students, than the public sector. The University of Massachusetts System had the highest percentage of rejects of that group, rejecting 64% of those with a 2.0 G.P.A. and 55% of those under 2.0. This is probably due to the past policy of only accepting community college students with an "above average record". Because the performance record of two-year college transfers has been so good, it would be most reasonable for the University of Massachusetts to offer admissions to transfers with G.P.A. of less than 2.5.

Reference to Table 11 shows a most interesting phenomenon - the Private Sector rejected a higher percentage of transfers with cumulative G.P.A. of 4.0 (55%), while rejecting only 40% of those with less than a 2.0 G.P.A.. However, this can be explained by the tremendously high percentage (95%) of

rejects of all transfer applicants to the very selective colleges. Most of these applicants presented outstanding records as can be noted in Table 9. Table 10 through 15 give by sector the admissions actions according to previous G.P.A.

In summary of transfer academic characteristics, listed below are some of the more significant findings:

1. Overall, mean scores of the high school average, Verbal SAT, Mathematics SAT, and cumulative college G.P.A. indicated that the total transfer pool is a source of good candidates for further education.
2. Transfer candidates from four-year colleges present better high school averages and higher SAT scores than do candidates from the two-year colleges.
3. Academic characteristics of the transfers from the public community colleges and private junior colleges are very similar to each other.
4. Academic characteristics of transfers from private four-year colleges are slightly better than those of candidates from public four-year colleges.
5. There are many good transfer students who are rejected at all types of colleges. The private sector's rejected candidates had better academic characteristics than did its accepted candidates. However this interesting phenomenon is explained by the fact that the most selective and prestigious private four-year colleges reject up to 95% of all

their candidates. One of these colleges accepted 21 students and rejected 444. The rejected group for that college had a mean cumulative G.P.A. of 3.5 on a 4.0 scale. This of course would force the mean G.P.A. for the entire private sector rejects upward. The prestigious privates, as Willingham and Findikyan found back in 1969, still are not much of a factor in the admission of transfer students.

MEAN HIGH SCHOOL AVERAGE

60% - 100% Scale

TABLE 6

Applying To → Applying From ↓	Private Sector			Public State Colleges			U-Mass. System			Other 4-Yr. Publics		
	Appl	Acc	Rej	Appl	Acc	Rej	Appl	Acc	Rej	Appl	Acc	Rej
Two-Year Publics	81.8	81.7	82.2	81.4	81.5	80.5	81.8	81.9	81.4	81.9	82.2	81.2
Two-Year Privates	82.4	82.3	82.9	82.0	82.4	81.0	81.8	82.4	81.1	81.4	81.3	80.0
Four-Year Publics	87.5	87.3	88.2	85.1	85.5	84.3	35.8	86.2	85.5	83.8	84.0	83.1
Four-Year Privates	87.6	87.0	88.4	84.6	85.0	83.3	85.8	86.6	85.3	84.5	84.8	83.9

MEAN SAT VERBAL SCORE

200 - 800 Scale

TABLE 7

Applying To  Applying From 	Private Sector			State College System			U-Mass. System			Other 4-Yr. Publics		
	Appl	Acc	Rej	Appl	Acc	Rej	Appl	Acc	Rej	Appl	Acc	Rej
Two-Year Publics	483	474	506	460	449	439	481	484	473	461	458	474
Two-Year Privates	476	466	493	474	554	440	471	475	466	454	457	411
Four-Year Publics	560	553	574	471	512	499	538	553	526	499	502	489
Four-Year Privates	570	559	584	439	514	502	554	564	547	509	523	478

MEAN SAT MATH SCORE

200 - 800 Scale

TABLE 8

Applying To → Applying From ↓	Private Sector			State College System			U-Mass. System			Other 4-Yr. Publics		
	Appl	Acc	Rej	Appl	Acc	Rej	Appl	Acc	Rej	Appl	Acc	Rej
Two-Year Publics	489	483	502	460	458	444	486	488	479	471	476	463
Two-Year Privates	475	468	493	452	447	455	469	478	458	479	497	420
Four-Year Publics	568	561	588	519	526	512	544	548	541	526	531	505
Four-Year Privates	578	567	592	520	524	498	557	559	556	543	564	507

PREVIOUS CUMULATIVE MEAN G.P.A.

4.0 - Scale

TABLE 9

Applying To → Applying From ↘	Private Sector			State College System			U-Mass. System			Other 4-Yr. Publics		
	Appl	Acc	Rej	Appl	Acc	Rej	Appl	Acc	Rej	Appl	Acc	Rej
Two-Year Publics	3.1	3.0	3.2 (76% of Rejects had 3.0 or better)	2.8	2.9	2.5 (31% of Rejects had 3.0 or better)	2.9	3.0	2.7 (43% of Rejects had 3.0 or better)	2.8	2.9	2.4 (22% of Rejects had 3.0 or better)
Two-Year Privates	3.0	3.0	3.0 (64% of Rejects had 3.0 or better)	2.8	2.9	2.4 (26% of Rejects had 3.0 or better)	2.8	3.0	2.7 (38% of Rejects had 3.0 or better)	2.7	2.9	2.3 (31% of Rejects had 3.0 or better)
Four-Year Publics	3.1	3.1	3.3 (73% of Rejects had 3.0 or better)	2.7	2.8	2.5 (36% of Rejects had 3.0 or better)	2.8	2.9	2.8 (52% of Rejects had 3.0 or better)	2.5	2.5	2.2 (19% of Rejects had 3.0 or better)
Four-Year Privates	3.1	3.0	3.2 (80% of Rejects had 3.0 or better)	2.7	2.8	2.5 (32% of Rejects had 3.0 or better)	2.8	2.9	2.8 (53% of Rejects had 3.0 or better)	2.6	2.6	2.4 (25% of Rejects had 3.0 or better)

PREVIOUS NUMBERS AND MEAN G.P.A. COMPARISON OF THREE HIGHLY SELECTIVE PRIVATE COLLEGES WITH
THREE LESS SELECTIVE PRIVATE COLLEGES

TABLE 10

	<u>Accepted</u>		<u>Rejected</u>	
	Number	Previous Mean G.P.A.	Number	Previous Mean G.P.A.
Applicants to Highly Selective Private College:				
A	21	3.8	444	3.5
B	32	3.5	333	3.3
C	250	3.5	136	3.1
Applicants to Less Selective Private College:				
A	1064	3.0	167	2.8
B	401	3.1	212	2.6
C	314	2.9	26	2.4

PRIVATE SECTOR

COMPARISON OF NUMBER ACCEPTED AND REJECTED

BY CUM G.P.A. - 4.0 SCALE

TABLE 11

	<u>APPLIED</u>	<u>ACCEPTED</u>	<u>REJECTED</u>	<u>% REJECTED</u>
Under 2.0	83 (2%)	50	33	40%
2.0	328 (6%)	226	102	31%
2.5	1089 (19%)	731	358	33%
3.0	1585 (29%)	991	594	37%
3.5	1923 (35%)	985	938	49%
4.0	543 (9%)	244	299	55%
Total	5551			

MSCS

COMPARISON OF NUMBER ACCEPTED AND REJECTED

BY CUM G.P.A. - 4.0 SCALE

TABLE 12

	<u>APPLIED</u>	<u>ACCEPTED</u>	<u>REJECTED</u>	<u>% REJECTED</u>
Under 2.0	43 (1%)	18	25	58%
2.0	387 (15%)	212	175	45%
2.5	880 (33%)	573	307	35%
3.0	778 (29%)	559	211	27%
3.5	502 (19%)	385	117	23%
4.0	71 (3%)	62	9	13%
Total	2661	1809	844	32%

UNIVERSITY OF MASSACHUSETTS SYSTEM

COMPARISON OF NUMBER ACCEPTED AND REJECTED

BY CUM G.P.A. - 4.0 SCALE

TABLE 13

	<u>APPLIED</u>	<u>ACCEPTED</u>	<u>REJECTED</u>	<u>% REJECTED</u>
Under 2.0	87 (2%)	39	48	55%
2.0	367 (10%)	133	234	64%
2.5	1071 (29%)	572	499	47%
3.0	1172 (32%)	744	428	37%
3.5	849 (23%)	583	266	31%
4.0	153 (4%)	106	47	31%
Total	3699	2177	1522	41%

OTHER FOUR-YEAR PUBLICS

COMPARISON OF NUMBER ACCEPTED AND REJECTED

BY CUM G.P.A. - 4.0 SCALE

TABLE 14

	<u>APPLIED</u>	<u>ACCEPTED</u>	<u>REJECTED</u>	<u>% REJECTED</u>
Under 2.0	35 (6%)	24	11	31%
2.0	94 (14%)	65	29	31%
2.5	226 (34%)	202	24	11%
3.0	180 (27%)	165	15	8%
3.5	109 (16%)	105	4	4%
4.0	17 (3%)	17	0	0%
Total	661	578	83	13%

ALL FOUR-YEAR COLLEGES

COMPARISON OF NUMBER ACCEPTED AND REJECTED

BY CUM G.P.A. - 4.0 SCALE

TABLE 15

	<u>APPLIED</u>	<u>ACCEPTED</u>	<u>REJECTED</u>	<u>% REJECTED</u>
Under 2.0	290 (2%)	150	140	48%
2.0	1060 (8%)	520	540	51%
2.5	3600 (28%)	2190	1410	39%
3.0	3720 (29%)	2480	1240	33%
3.5	3580 (27%)	2180	1400	39%
4.0	770 (6%)	370	400	52%
Total	13020	7890	5130	39%

What Do They Wish To Study?:

Review of the figures shows that transfer students are quite heterogeneous where intended fields of study are concerned. They represent interest in many different subjects matter majors.

The highest proportion of these students, however, has patterns of intended majors typical of college undergraduates of the past decade. In descending order, the ten most requested fields of study included Social Sciences, Business, Psychology, Elementary Education, Biological Sciences, Liberal Arts, Fine Arts, Special Education, Engineering, and Nursing. Of the total participating transfer application pool, 9% intended to study Social Sciences, followed by Business at 8%, Psychology 7%, Elementary Education 6%, Biological Sciences 6%, Liberal Arts 5%, and Fine Arts 5%. Each of the other intended majors had less than 5% of the applications.

Tables 16 through 20 provide information on admissions by Intended Field of Study. Hopefully, this kind of information would assist individual institutions, systems, and central offices or agencies to understand the subject matter majors demands of transfer applicants. The tables were designed in such a way as to determine the flow of transfer applicants from the sending institutions to the receiving institutions. In addition, the number of applications, acceptances, rejections, and the percentage of acceptance were determined for each subject matter field. Not only does this establish the demand for each subject matter field, but also indicates how readily these demands are being met in terms of acceptance of transfers to those areas of study. This is particularly important for planning purposes for those institutions and systems which

plan to accommodate those students coming from two-year colleges into upper division majors.

Reference to Table 17 shows some interesting admissions patterns for the Private Sector Colleges. While there are many applicants to subject matter majors typically found in the liberal arts division (Social Science, Psychology, Physical Sciences, Fine Arts) their acceptance ratio is lower than that of the professional field areas (Business, Nursing, Education). One could assume from this finding that private colleges are seeking to bolster their professional field areas while stabilizing the liberal arts field.

The State College System over the past few years in particular has been trying to alter its image as strictly a teacher preparation system. Yet of the ten most requested majors, 44% of them were education majors, and of that number, 85% were offered admission. However, as Table 18 indicates the state colleges are attempting to increase their numbers in the non-teaching areas as they accepted a high percentage of the Business, Social Science, Psychology, Liberal Arts, and Biological Science applicants.

It would seem particularly prudent for the state colleges to communicate closely with the community colleges, since their highest proportion of transfer applicants come from community colleges. Special efforts could be made to inform the students, faculty, and counselors of the scope of curriculum offerings available at the state colleges.

Table 19 clearly reflects the University of Massachusetts commitment to the state's community college students. In every single subject matter field, the highest proportion of acceptances was to those applicants from the community colleges.

There appears to be no particular subject matter area that is restricted for community college transfers. Also, a high percentage of acceptances are made in all majors to private junior college applicants. For applicants from the four-year public colleges, Biological Sciences, Elementary Education, and Engineering are quite restricted, while Business, Biological Sciences and Engineering are limited areas for applicants from four-year private colleges.

Overall at the University of Massachusetts, applicants for the Biological Sciences and the undeclared Liberal Arts majors have the most difficulty in receiving acceptance.

Table 20 clearly indicates that the other four-year public institutions, Lowell Technological Institute and Southeastern Massachusetts University, provide good access for transfer applicants to nearly all of their subject matter majors. Each of the areas of Business, Engineering, Social Sciences, Psychology, Foreign Language, and Physical Sciences has a greater than 90% offer of admission. Nursing and Biological Sciences are more difficult for transfers to receive acceptance.

It appears that more effort needs to be made by the receiving institutions to accomodate those transfers who seek the Biological Sciences and Fine Arts.

TABLE 16

TEN MOST REQUESTED INTENDED FIELDS OF STUDY

<u>Field of Study</u>	<u>Number of Applications</u>	<u>% Offered Admission</u>	<u>% of Total Application Pool</u>
Social Science	1808	59%	9%
Business	1624	76%	8%
Psych.	1264	62%	7%
Elem. Education	1166	74%	6%
Bio-Sciences	1103	54%	6%
Liberal Arts	1076	57%	5%
Fine Arts	935	54%	5%
Special Education	610	74%	< 5%
Engineering	315	77%	< 5%
Nursing	253	78%	< 5%

ADMISSIONS ACTIONS BY INTENDED FIELD OF STUDY

PRIVATE SECTOR

TABLE 17

Intended Field of Study-Applied	From 2-Yr.		From 2-Yr.		From 4-Yr.		From 4-Yr.		Total	
	Publics Acc	Rej	Privates Acc	Rej	Publics Acc	Rej	Privates Acc	Rej	Acc	Rej
Social Sciences 944	75 64%	42	35 49%	37	107 52%	99	242 44%	307	459 49%	485
Business 747	240 98%	27	95 84%	18	91 74%	32	176 72%	68	602 81%	145
Liberal Arts 636	37 63%	22	33 57%	25	83 63%	49	174 45%	213	327 51%	309
Psychology 581	64 74%	31	37 62%	23	74 66%	38	155 49%	159	330 57%	251
Bio. Sciences 554	32 51%	31	19 54%	16	65 47%	72	127 40%	192	243 44%	311
Fine Arts 442	26 61%	17	20 54%	17	51 52%	48	125 48%	138	222 50%	220
Nursing 192	11 50%	11	11 50%	11	44 85%	8	78 81%	18	144 75%	48
Special Education 277	41 80%	10	35 67%	17	50 85%	9	84 73%	31	210 76%	67
Elementary Education 260	27 97%	1	69 78%	19	41 85%	7	69 72%	27	206 79%	54
Health Services 200	19 54%	16	13 72%	5	51 62%	31	38 58%	27	121 61%	79
Undecided 269	23 79%	6	16 76%	5	39 57%	29	81 54%	70	159 59%	110
Other 766	91 67%	45	47 53%	41	92 57%	69	170 45%	211	400 52%	366

% age = percent offered admission

ADMISSIONS ACTIONS BY INTENDED FIELD OF STUDY

STATE COLLEGE SYSTEM

TABLE 18

Intended Field of Study	From 2-Yr.		From 2-Yr.		From 4-Yr.		From 4-Yr.		Total	
	Publics Acc	Rej	Privates Acc	Rej	Publics Acc	Rej	Privates Acc	Rej	Acc	Rej
Elementary Education 606	282	47 86%	67	6 92%	106	13 91%	73	12 86%	528	18 87%
Special Education 187	85	24 78%	13	7 65%	25	7 78%	21	5 81%	144	43 77%
Business 305	172	37 82%	33	4 89%	17	12 59%	20	10 67%	242	63 79%
Social Sciences 221	133	9 94%	16	2 89%	27	7 79%	18	9 67%	194	27 88%
Psychology 219	117	17 87%	20	4 83%	28	6 82%	24	3 89%	189	30 86%
Fine Arts 169	23	29 44%	10	11 48%	18	26 41%	19	33 37%	70	99 41%
Secondary Education 166	74	11 87%	22	4 85%	15	7 68%	31	2 94%	142	24 86%
Bio. Sciences 132	75	7 91%	4	2 67%	24	9 73%	7	4 64%	110	22 83%
Liberal Arts 100	45	3 94%	17	1 99%	17	3 85%	12	2 86%	91	9 91%
Mathematics 91	44	3 94%	1	4 20%	14	0 100%	22	3 86%	81	10 89%
Home Economics 40	13	1 93%	3	6 50%	9	4 69%	4	0 100%	29	11 73%
Undecided 107	59	10 86%	5	2 71%	16	0 100%	12	3 80%	92	15 86%

% age = percent offered admission

ADMISSIONS ACTIONS BY INTENDED FIELD OF STUDY

UNIVERSITY OF MASSACHUSETTS SYSTEM

TABLE 19

Intended Field of Study	From 2-Yr.		From 2-Yr.		From 4-Yr.		From 4-Yr.		Total	
	Publics		Privates		Publics		Privates			
	Acc	Rej	Acc	Rej	Acc	Rej	Acc	Rej	Acc	Rej
Social Sciences 570	172	43	19	20	70	67	86	93	347	223
	80%		49%		51%		48%		60%	
Psychology 447	140	43	17	17	42	56	56	76	255	192
	77%		50%		43%		42%		57%	
Business 380	140	54	26	26	20	29	25	60	211	169
	72%		50%		41%		29%		56%	
Bio. Sciences 326	95	33	13	9	24	52	30	70	162	164
	74%		59%		32%		30%		50%	
Liberal Arts 299	74	31	9	4	30	37	43	71	156	143
	70%		69%		45%		38%		52%	
Fine Arts 268	72	19	14	7	38	33	47	38	171	97
	79%		67%		54%		55%		64%	
Elementary Education 274	98	15	22	7	16	40	32	44	168	106
	87%		76%		29%		42%		61%	
Agric. Nat'l Res. 236	93	44	8	5	18	26	16	26	135	101
	68%		62%		41%		38%		57%	
Special Education 146	50	18	9	8	11	8	26	16	96	50
	74%		53%		58%		62%		66%	
Engineering 139	46	16	19	13	8	13	7	17	80	59
	74%		59%		38%		29%		58%	
Home Economics 144	57	9	19	9	17	12	11	10	104	40
	86%		68%		59%		52%		72%	
Undecided 197	48	18	12	8	15	30	19	47	94	103
	73%		60%		33%		29%		48%	

% age = percent offered admission

ADMISSIONS ACTIONS BY INTENDED FIELD OF STUDY

OTHER FOUR-YEAR PUBLICS

Southeastern Mass. University
and
Lowell Technological Inst.

TABLE 20

Intended Field of Study	From 2-Yr.		From 2-Yr.		From 4-Yr.		From 4-Yr.		Total	
	Publics Acc	Rej	Privates Acc	Rej	Publics Acc	Rej	Privates Acc	Rej	Acc	Rej
Business 192	92	7 93%	16	6 73%	38	2 95%	31	0 100%	177	15 92%
Engineering 176	66	7 90%	36	2 95%	29	1 97%	33	2 91%	164	12 93%
Bio. Sciences 91	21	8 72%	7	2 78%	23	7 77%	15	8 65%	66	25 73%
Nursing 61	15	9 63%	2	2 50%	6	9 40%	13	5 72%	36	25 59%
Fine Arts 56	17	5 77%	5	2 71%	14	3 82%	7	3 70%	43	13 77%
Social Sciences 73	37	5 88%	4	1 80%	15	0 100%	11	0 100%	67	6 92%
Liberal Arts 41	16	2 89%	3	0 100%	6	2 75%	11	1 92%	36	5 88%
Psychology 47	17	1 94%	4	1 80%	17	2 89%	5	0 100%	43	4 92%
Elementary Education 26	19	4 83%	0	0 0%	3	0 100%	0	0 0%	22	4 85%
Foreign Languages 21	8	2 80%	1	0 100%	5	0 100%	5	0 100%	19	2 91%
Phys. Sciences 18	7	1 88%	3	0 100%	2	0 100%	5	0 100%	17	1 94%
Undecided 12	2	0 86%	2	0 84%	3	0 86%	5	0 88%	12	0 86%

% age = percent

ADMISSIONS ACTIONS BY INTENDED FIELD OF STUDY

GRAND TOTAL

TABLE 21

Intended Field of Study	Private Sector		State Coll.-Sys.		U-Mass. System		Other Publics		Total
Business 1624	602	145	242	63	211	169	177	15	1232
	81%		79%		56%		92%		76%
Social Sciences 1808	459	485	194	27	347	223	67	6	1067
	49%		88%		60%		92%		59%
Psychology 1264	300	251	189	30	255	192	43	4	787
	57%		86%		57%		92%		62%
Liberal Arts 1076	327	309	91	9	156	143	36	5	610
	51%		91%		52%		88%		57%
Bio. Sciences 1103	243	311	110	22	162	164	66	25	581
	44%		83%		50%		73%		53%
Fine Arts 935	222	220	70	99	171	97	43	13	506
	50%		41%		64%		77%		54%
Elementary Education 1166	206	54	528	78	168	106	22	4	924
	79%		87%		61%		85%		80%
Special Education 610	210	67	144	43	96	50	0	0	450
	76%		77%		66%		0%		74%
Nursing 253	144	48	0	0	0	0	36	25	180
	75%		0%		0%		59%		78%
Health Services 200	121	79	0	0	0	0	0	0	121
	61%		0%		0%		0%		61%
Engineering 315	0	0	0	0	80	59	164	12	244
	0%		0%		58%		93%		77%
Undecided	159	110	92	15	94	103	12	0	337
	59%		86%		48%		100%		61%

% = percent offered admission

At What Levels Are Students Expecting To Transfer?

In the past it has been extremely difficult to determine at what levels students plan to transfer, and in what numbers at each level - freshman, sophomore, junior, and senior.

Also, it was important to find out if an extremely high proportion of the two-year college students was attempting to transfer before completing the typical two-year program.

As many educators in the field may have suspected, the percentages fall into a very definite pattern - few expect to transfer as freshman; few expect to transfer as seniors; many expect to transfer as sophomores; and the majority expect to transfer as juniors. The total class level percentages are listed below:

<u>Class Level</u>	<u>Number of Students</u>	<u>Percentage</u>
Freshman	774	04%
Sophomore	5,161	33%
Junior	9,566	61%
Senior	<u>309</u>	<u>02%</u>
Totals	15,810	100%

Table 22 gives in much greater detail figures based upon the kind of institution from which they are applying and the sector to which they are applying. The figures are separated by "accepted" and "rejected", and totals.

Important to the community and junior colleges is the fact that not many of their students attempt to transfer after just one semester. Of those that try, a high percentage is rejected. Of more concern to them however, is the finding that of the students seeking transfer from the community colleges, 22% do so after only one year, thus leaving at least

a fifth of their second year places vacant. For the private junior colleges, the percentage is 27%. It is very likely that the percentage is that low because institutions like the University of Massachusetts at Amherst, state colleges and a few others will not consider, with the exception of a few specific academic majors, two-year college students for transfer admission until they have completed the equivalent of a two-year program.

Many more students apply to the private colleges after only one year, than to the publics. Also, interestingly enough, many transfers attempt to transfer out of one private institution into another private institution after one-year, than after two or more years. This kind of mobility would indicate that cost is not the major factor for students seeking to transfer after one year. One would have to suspect that dissatisfaction in some form or combination (academic atmosphere, major, student life, relevancy, general atmosphere, etc.), with the first attended college is prevalent. However, nearly half of those students applying for sophomore status are rejected by the private colleges.

Sixty-one percent of all transfer students seek junior year standing. Only 2% hope to be granted senior year standing. Undoubtedly varying residence requirements affect an applicants potential transfer status. For example, a student in the state college system can meet the residency requirement by attending just the senior year. At the University of Massachusetts the residency requirement is 45 semester hours (three full-time semesters), thus it is impossible to be considered as a senior upon transfer from another institution. There are some private colleges that have a two-year residency requirement.

It would appear that better communication is needed amongst colleges concerning policies, procedures, and chances of admission at the various class levels. Honest statements should be made known in the transfer admissions materials. More consideration by colleges should be given to the one-year residency requirement wherever possible.

How Many Two-Year College Transfer Applicants Plan To Complete An Associate's Degree?

It has been difficult in the past to determine the number and kinds of degrees two-year college transfer applicants present. Table 23 shows comparative numbers and percentages for applicants from private and from public two-year colleges. It was surprising to this writer to discover that the figures were nearly identical for both kinds of colleges. Forty-four percent plan to obtain an Associates in Arts Degree (A.A.) before transferring, 28% an Associates in Science Degree (A.S.), and 28% do not plan to obtain any associate degree. It is probable that several applicants in the no-degree category had not completed two-years before planning to transfer.

Even more surprising to this writer was the finding that, though less in number, the Associate in Science (A.S.) degree holders had a higher acceptance ratio than did the Associate in Arts degree holders. Seventy-one percent of the A.A. degree holders were offered admission compared to 78% of the A.S. degree holders.

Typically it is assumed by many that the A.A. degree is the transfer preparation degree, and the A.S. is more of a non-transfer degree. Of course many of the A.S. degree programs

are geared toward the technical or professional areas, while the A.A. degree provides easier transition into the liberal arts field.

It is encouraging to find that the applicants presenting A.S. degrees are as readily acceptable as those with A.A. degrees. This study was not able to compare how many transfer credits were awarded or lost for each of the associate degree categories. It is known that some institutions will not accept as many of the credits from an A.S. degree as they do for an A.A. degree. That is information that still needs to be determined.

PLAN TO OBTAIN AN ASSOCIATES DEGREE

BEFORE TRANSFERRING

TABLE 23

	From Public 2-Year Colleges	From Private 2-Year Colleges	Total
Associate in Arts (A.A.)	2740 44%	940 44%	3680 44%
Associate in Science (A.S.)	1730 27%	600 28%	2330 28%
No Degree	1800 29%	600 28%	2400 28%
Totals	6270 100%	2140 100%	8410 100%

A.A. Degree - 71% were offered admission; 39% were rejected

A.S. Degree - 78% were offered admission; 22% were rejected

WHAT ARE THE EDUCATIONAL GOALS OF TRANSFER STUDENTS?

The patterns of educational aspirations of transfers vary, at least to some extent, according to the type of institution from which they plan to transfer. (See Table 24) Applicants from the four-year private junior colleges had the lowest aspiration levels with 64% planning to earn a Bachelor's Degree, 30% a Masters, and 5% a Doctorate. The two-year public community college applicants had the next highest aspirational level with 52% planning to earn a Bachelor's Degree, 36% a Masters, and 11% a Doctorate. Applicants from four-year public colleges had the next highest educational aspirations with 44% seeking a Bachelors, 33% a Masters, and 23% a Doctorate. And as one might expect, applicants from four-year private colleges had the highest educational goals with 40% seeking a Bachelor's Degree, 38% a Masters, and 21% a Doctorate.

In comparing men with women, the males have slightly higher educational goals than the women, particularly at the Doctorate level.

The transfer population as a whole had 48% seeking a Bachelor's Degree as their ultimate educational goal, 35% aspiring to a Master's Degree, 16% plan to attain a Doctorate, and less than 1% do not plan to attain any degree.

In general, it appears that transfer students at the time of transfer application have set certain educational goals for themselves. From this finding it would seem to indicate that their previous college experience has been of such a nature, positively or negatively, to cause them to at least seek to finish an undergraduate degree program, with many planning on graduate education.

EDUCATIONAL GOALS

TABLE 24

	From 2-Year Public	From 2-Year Private	From 4-Year Public	From 4-Year Private	M	F	Total
Associates Degree	40 1%	0	20 1%	10 1%	1%	1%	70 1%
Bachelors Degree	3400 52%	1420 64%	1760 44%	2420 40%	45%	52%	9000 48%
Masters Degree	2360 36%	650 30%	1290 33%	2310 38%	34%	36%	6610 35%
Doctorate Degree	710 11%	120 5%	900 23%	1280 21%	20%	11%	3010 16%
No Degree	10 1%	20 1%	0	10 1%	1%	1%	40 1%
Total	6520	2210	3970	6030	100%	100%	18730

How Do They Plan To Finance Their Education?

Although in this study it was impossible to determine what kind of financial aid assistance was awarded to transfers, it was felt important to attempt to determine what plans the students had for financing their education after transfer. They were asked to estimate by given percentage ranges the proportion of support they expected from five different sources: college financial aid, work, savings, outside financial aid sources, and family support.

Table 25 reflects the responses of students who are applying from two-year colleges, both public and private; Table 26 reflects responses of students applying from four-year colleges, both public and private.

Table 27 compares financing plans of transfer students applying to public colleges and universities in comparison with private colleges and universities.

It becomes rather evident by reference to each of the three financial plan tables, that transfer students do not have much hope or expectation of receiving much assistance directly through college financial aid services. Fifty-three percent of the applicants from public community colleges, 60% from private junior colleges, 52% from four-year public colleges, and 58% from the private four-year colleges expect no college financial aid. Much of this low expectancy of college financial aid undoubtedly comes from the students' realizations that transfers in the past were low on the list when it came to financial aid awards. However, increased efforts recently by the State Transfer Articulation Committee (STAC) and the Transfer Review Council (TRC) have brought attention to the colleges of the need for dealing equitably between natively

enrolled students and newly entering transfers. STAC's recently published "Guidelines For Articulation For Receiving Institutions" states;

1. Each receiving institution should provide similar treatment to transfer applicants for financial aid and freshman applicants for financial aid.
2. Each receiving institution should not consider a student's need for financial aid as a criterion in admissions selection.
3. Each receiving institution should send notices of financial aid decisions to transfer applicants before students are asked to reply to offers of admission.

In addition to the above guidelines, it is strongly recommended that financial aid offices at colleges and universities make easily available to potential transfer applicants their financial aid policies and procedures for transfers. This can be accomplished by inclusion in regular college materials, but is especially effective if a brochure or financial aid letter is included with the application for transfer admission.

In the tables comparing applicants from two-year public and two-year private institutions, it is interesting to note that there is not much discrepancy at the various percentage levels between the areas of expectations from work, savings, and outside financial aid sources. However, in the area of family support, it becomes quite obvious that students from private two-year colleges depend much more upon family contributions as the sole source of financing their education. Thirty-seven percent of applicants from the private two-year colleges

expect their parents to pay from 81% to 100% of their college costs compared to 18% for the students from public two-year colleges. A similar pattern exists for the comparison of applicants from the four-year public and four-year private institutions. Thirty-nine percent of students applying for transfer from four-year private colleges expect 81% to 100% of their college financing to come from family support compared to 27% for the applicants from four-year public institutions.

When comparing financing plans of transfers applying to the public sector colleges with financing plans of those applying to private sector colleges, once again it becomes obvious that for either sector transfers do not expect much help from the colleges themselves. Fifty-nine percent of those applying to public colleges expect no assistance from the colleges, compared with 52% of those applying to private colleges. They do not plan on much help from outside financial aid sources either, as 58% of those applying to the public sector and 56% to the private sector so indicated.

Interestingly enough, there was not a great difference in the overall plans for financing plans whether applying to public or private colleges, with the exception of one noticeable area at the far-end of the various range levels - that of family support at the 81% - 100% range. Thirty-eight percent of those applying to private colleges expect family support as their primary source of funding compared with 21% for those applying to public colleges.

From the patterns indicated in the financing plan tables, it appears that colleges, both public and private must re-evaluate their financial aid policies and procedures regarding transfers, and to make known to the students and the sending

institutions just what these policies are. Financial aid for transfers should be as readily available as it is to natively enrolled and newly entering freshmen. It is strongly recommended, that financial aid transcripts be developed for transfers and sent along with the regular admission materials so that the receiving institution will have some current financial aid information on file early in the admissions process enabling financial aid officers to plan better in order to meet the financial needs of the transfer students.

PLANS FOR FINANCING THEIR EDUCATION
APPLICANTS FROM 2-YEAR COLLEGES

TABLE 25

Percentage Level	Expectations From College Fin. Aid		Expectations From Work		Expectations From Savings		Expectations From Outside Fin. Aid Sources		Expectations From Family Support	
	2-Yr Pub.	2-Yr Priv.	2-Yr Pub.	2-Yr Priv.	2-Yr Pub.	2-Yr Priv.	2-Yr Pub.	2-Yr Priv.	2-Yr Pub.	2-Yr Priv.
None	53%	60%	9%	19%	25%	30%	51%	65%	32%	20%
1 - 20%	11%	13%	43%	41%	40%	41%	10%	11%	18%	14%
21 - 40%	12%	11%	19%	16%	17%	16%	12%	7%	10%	7%
41 - 60%	11%	7%	12%	14%	10%	7%	12%	8%	13%	12%
61 - 80%	6%	3%	7%	7%	4%	4%	7%	3%	9%	10%
81 - 100%	7%	7%	10%	3%	4%	2%	8%	6%	18%	37%

PLANS FOR FINANCING THEIR EDUCATION
APPLICANTS FROM 4-YEAR COLLEGES

TABLE 26

Percentage Levels	Expectations From College Fin. Aid		Expectations From Work		Expectations From Savings		Expectations From Outside Fin. Aid Sources		Expectations From Family Support	
	4-Yr Pub.	4-Yr Priv.	4-Yr Pub.	4-Yr Priv.	4-Yr Pub.	4-Yr Priv.	4-Yr Pub.	4-Yr Priv.	4-Yr Pub.	4-Yr Priv.
None	52%	58%	12%	17%	32%	36%	53%	64%	27%	17%
1 - 20%	14%	13%	43%	49%	41%	43%	19%	12%	19%	10%
21 - 40%	15%	9%	20%	16%	10%	13%	12%	12%	11%	10%
41 - 60%	10%	9%	10%	9%	9%	4%	8%	6%	8%	12%
61 - 80%	6%	6%	5%	4%	5%	1%	4%	2%	8%	12%
81 - 100%	3%	5%	10%	5%	3%	3%	4%	4%	27%	39%

PLANS FOR FINANCING THEIR EDUCATION
TO PUBLIC SECTOR AND TO PRIVATE SECTOR

TABLE 27

Percentage Levels	Expectations From College Fin. Aid		Expectations From Work		Expectations From Savings		Expectations From Outside Fin. Aid Sources		Expectations From Family Support	
	To All Pubs.	To All Privs.	To All Pubs.	To All Privs.	To All Pubs.	To All Privs.	To All Pubs.	To All Privs.	To All Pubs.	To All Privs.
None	59%	51%	10%	16%	28%	33%	58%	56%	29%	20%
1 - 20%	12%	13%	39%	50%	38%	44%	10%	16%	18%	12%
21 - 40%	11%	13%	18%	19%	16%	13%	11%	11%	8%	10%
41 - 60%	9%	10%	15%	6%	9%	6%	9%	9%	14%	10%
61 - 80%	5%	7%	8%	4%	5%	2%	5%	2%	10%	10%
81 - 100%	4%	6%	12%	5%	4%	2%	7%	5%	21%	38%

What Are The Part-Time Work Plans Of Transfer Students?

Two-thirds of all transfer applicants expect to work part-time upon transferring, with 42% planning to work less than 15 hours a week, 25% more than 15 hours a week, and 33% not planning to work. (See Table 28)

As one might expect, applicants from private two and four year colleges do not plan to work nearly as much as applicants from public colleges. This finding coincides with the finding that a higher proportion of applicants from private colleges expect complete financial support from parents, than is the case for applicants from public colleges.

Seventy-five percent of all the applicants from community colleges plan to work part-time, with 30% expecting to work more than 15 hours a week. It is very possible that this is just the group that should not be working the greatest number of hours as they are coming from a different educational type institution than the other applicants, and have a greater adjustment to make academically, personally, and socially. These work expectations are also somewhat unrealistic in that there are not always enough part-time jobs available on or around campus to meet their needs.

Table 28 shows that 72% of the males expect to work part-time compared with 62% of the females.

A more descriptive picture of the work plans by sector of receiving institutions is given in Table 29. It clearly indicated that those applying to the less expensive public colleges still expect to work significantly more than those attending the more expensive private colleges.

Based upon the findings of transfer applicants financing plans and part-time work plans, it seems that some kind of

state-agency plan should be developed whereby Massachusetts residents with limited financing funds might have more access to private colleges within the state. This undoubtedly would involve greater financial aid sources available to transfers in cooperation with the private colleges and state agencies.

TABLE 28

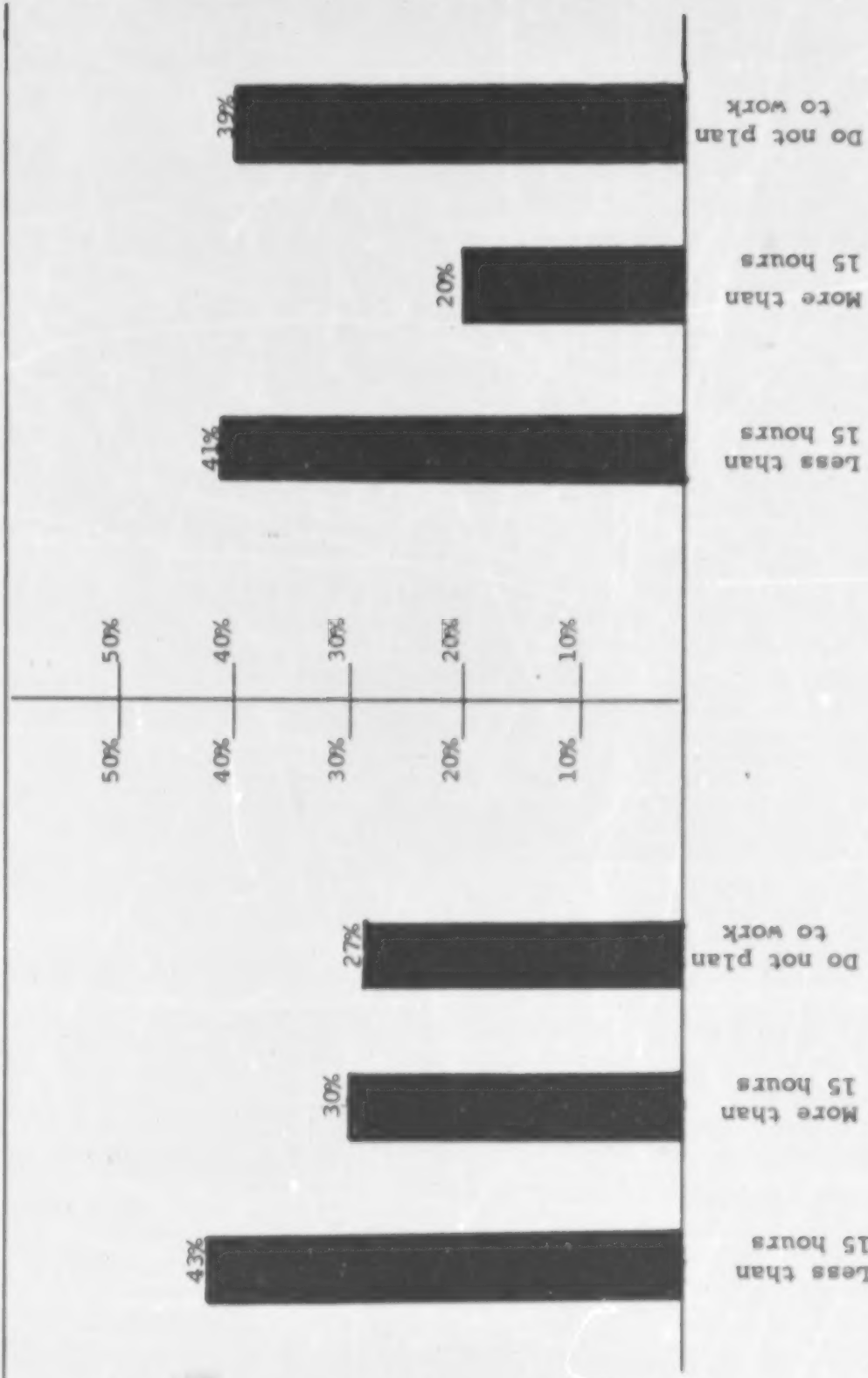
WORK PLANS UPON TRANSFER

WORK PLANS	From Public 2-Year Colleges	From Private 2-Year Colleges	From Public 4-Year Colleges	From Private 4-Year Colleges	Total		Total Average
					M	F	
Less than 15 hours weekly	45%	32%	42%	42%	43%	40%	42%
More than 15 hours weekly	30%	25%	27%	18%	29%	22%	25%
Do Not Plan to Work	25%	43%	31%	40%	28%	38%	33%
	100%	100%	100%	100%			

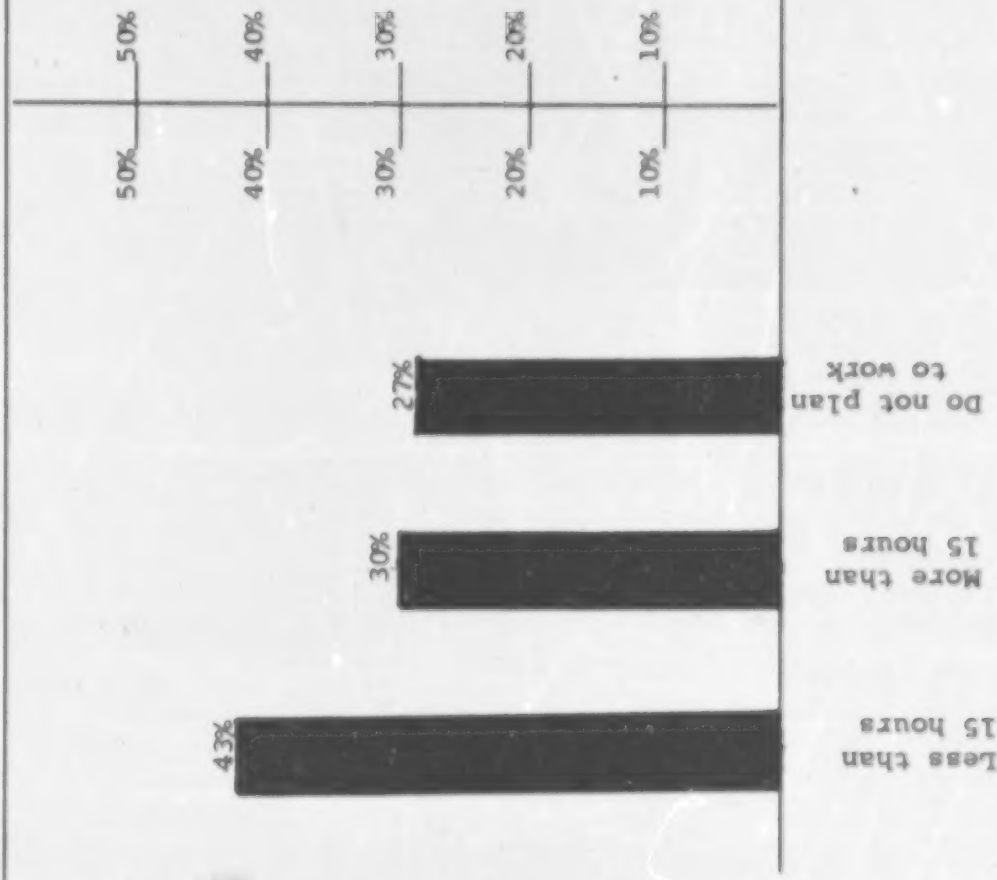
TABLE 29

WORK PLANS UPON TRANSFERBY SECTOR

PRIVATE SECTOR



PUBLIC SECTOR



Where Do Transfers Plan To Live?

Collecting housing plan information was not done only to know of their plans, but also to find out if residence plans might be associated with admissions decisions.

The most obvious finding in the housing area is the fact that transfers wanted no part of sorority/fraternity living. Less than 1% of the total pool wanted to live in sororities or fraternities. In addition to the less than 1% sorority/fraternity figure, 47% planned to live in residence halls, 29% planned to commute from home, and 23% wished to live in off-campus housing.

In order to obtain a better assessment of their housing plans, individual tables were developed cross-referencing the sector to which they were applying with the type of college from which they were applying. Acceptance and rejection numbers were also given. (See Tables 30-34)

In comparing the different sectors, a definite pattern developed. In the private sector and in the University of Massachusetts system, a high proportion plan to live in residence halls or in nearby off-campus housing, while in the State College System and the Other Four-Year Publics, a high proportion of transfers expect to commute from home or live in nearby off-campus housing.

At the private colleges, 62% of the applicants requested residence halls. While there are many factors involved in the admissions decision process, it was interesting to note that applicants requesting housing had a much higher rejection percentage (51%) than did applicants who planned to commute from home (19%), or who wished off-campus housing (32%). Also, at the University of Massachusetts the highest percentage

of rejection occurred with applicants requesting residence halls. Because U-Mass./Boston is strictly a commuter school, percentages were broken out separate for that institution. (See bottom of Table 33)

At the State College System there are two factors that undoubtedly affect housing plans of transfer students applying to them. One is the fact that there are ten separate campuses scattered geographically throughout the state, making easier access for those who may wish to commute. Secondly, the State Colleges have somewhat limited housing facilities which place constraints on the number of transfers that they can accomodate.

Overall, it appears that transfer students who wish to live on campus have much less chance of acceptance than those who are able and willing to commute from home. Given below are the percentages by sector of those rejected who requested residence halls and those rejected who planned to commute:

	<u>Percent Rejected</u>	
	<u>Residence Halls</u>	<u>Commuters</u>
Private Sector	51%	19%
Mass. State College Sys.	24%	15%
U/Mass. System	45%	26%
Other 4-Year Publics	20%	10%

Greater efforts should be made to accomodate more transfer students who wish to live on campus. It would seem that freshman applicants, although no official figures are available for this study, are given much greater priority than transfers for residence hall living. Those applicants seeking residence hall living who are applying from two-year commuter schools, should be given more consideration than those who are applying

from residence colleges, all other things being equal. On-campus living does provide another dimension of the educational growth and experience, particularly in the socializing process, that is not afforded to those students forced to commute.

If on-campus housing is not readily available, efforts should be made to provide approved nearby off-campus housing so that transfer students can at least take advantage of the various campus activities available to those living on campus.

LIVING PLANS UPON TRANSFER

TABLE 30

Applying To Applying From	Private Sector	State College System	U-Mass. System	Other 4-Year Publics
2-Year Publics				
Res. Hall	44.1%	30.8%	45.2%	26.8%
Sor-Frat	0.4%	0.3%	0.7%	0.2%
At Home	35.1%	50.0%	25.5%	54.6%
Off-Campus	20.4%	18.8%	28.6%	18.4%
2-Year Privates				
Res. Hall	54.5%	39.7%	51.4%	37.2%
Sor-Frat	0.6%	0.2%	0.7%	0.7%
At Home	20.9%	41.2%	17.6%	33.8%
Off-Campus	23.8%	19.0%	30.4%	28.3%
4-Year Publics				
Res. Hall	61.2%	28.7%	38.1%	28.2%
Sor-Frat	0.4%	0.4%	0.3%	0.3%
At Home	14.4%	49.2%	28.5%	47.0%
Off-Campus	24.0%	21.8%	33.1%	24.4%
4-Year Privates				
Res. Hall	69.3%	30.9%	41.3%	40.6%
Sor-Frat	0.5%	0.1%	0.2%	0.4%
At Home	9.5%	47.6%	21.7%	39.4%
Off-Campus	20.7%	21.4%	36.9%	19.7%
TOTALS				
Res. Hall	60.8%	30.5%	42.3%	30.3%
Sor-Frat	0.5%	0.3%	0.4%	0.3%
At Home	16.8%	48.8%	25.1%	47.7%
Off-Campus	22.0%	20.4%	32.2%	21.7%

GRAND TOTAL

Res. Hall	47.3%
Sor-Frat	0.5%
At Home	28.8%
Off-Campus	23.4%

HOUSING PLANS

Private Sector

TABLE 31

APPLYING FROM	RESIDENCE HALLS		SORORITY or FRATERNITY		AT HOME		OFF-CAMPUS HOUSING	
	Acc	Rej	Acc	Rej	Acc	Rej	Acc	Rej
Public 2-Year Colleges	301	182	2	3	347	52	149	72
Private 2-Year Colleges	246	182	2	3	126	28	132	57
Public 4-Year Colleges	508	449	3	2	170	51	270	92
Private 4-Year Colleges	1075	1389	6	11	239	81	447	255
TOTALS	2130	2202	13	19	882	212	998	476

62% of transfer applicants request Residence Halls.
 21% of transfer applicants request off-campus housing.
 16% of transfer applicants prefer to live at home.
 4% of transfer applicants request to live in Sor. or Frats.

HOUSING PLANS

State College System

TABLE 32

APPLYING FROM	RESIDENCE HALLS		SORORITY or FRATERNITY		AT HOME		OFF-CAMPUS HOUSING	
	Acc	Rej	Acc	Rej	Acc	Rej	Acc	Rej
Public 2-Year Colleges	361	99	4	2	770	108	251	67
Private 2-Year Colleges	86	32	1	0	146	24	46	21
Public 4-Year Colleges	101	25	2	0	228	54	77	42
Private 4-Year Colleges	85	40	0	1	189	40	70	37
TOTALS	633	196	7	3	1333	226	444	167

28% of transfer applicants request Residence Halls.
 51% of transfer applicants prefer to live at home.
 20% of transfer applicants request off-campus housing.
 1% of transfer applicants request Sororities or Frats.

HOUSING PLANS

University of Massachusetts/Amherst

TABLE 33

APPLYING FROM	RESIDENCE HALLS		SORORITY OR FRATERNITY		AT HOME		OFF-CAMPUS HOUSING	
	Acc	Rej	Acc	Rej	Acc	Rej	Acc	Rej
Public 2-Year Colleges	671	216	8	5	228	45	369	95
Private 2-Year Colleges	130	94	3	0	20	10	60	32
Public 4-Year Colleges	136	238	0	3	44	36	81	30
Private 4-Year Colleges	180	348	1	1	48	30	110	175
TOTALS	1117	896	12	9	340	121	620	332

58% of transfer applicants request Residence Halls.
 13% of transfer applicants prefer to live at home.
 28% of transfer applicants request off-campus housing.
 10% of transfer applicants request sororities or frats.

* At U-Mass./Boston (a commuter school only)

56% prefer to commute from home

39% prefer to live in off-campus housing

5% requested residence halls

HOUSING PLANS

Other Four-Year Publics

TABLE 34

APPLYING FROM	RESIDENCE HALLS		SORORITY OR FRATERNITY		AT HOME		OFF-CAMPUS HOUSING	
	Acc	Rej	Acc	Rej	Acc	Rej	Acc	Rej
Public 2-Year Colleges	75	13	0	0	214	29	58	18
Private 2-Year Colleges	29	9	1	0	38	4	27	2
Public 4-Year Colleges	39	14	0	0	102	9	37	9
Private 4-Year Colleges	57	13	1	0	74	3	36	3
TOTALS	200	49	2	0	428	45	158	32

26% of transfer applicants request residence halls.
 52% of transfer applicants prefer to commute from home.
 21% of transfer applicants request off-campus housing.
 1% of transfer applicants request sororities or frats.

How Many Multiple Transfer Applications are Filed?

Always one of the more perplexing problems in the college admissions picture is to determine the actual number of human beings represented by the number of applications submitted. In this study, of the 19,726 transfer applications submitted, there were actually 15,313 persons represented. This means that 21% of the applications are multiple applications. Multiple applications are described as applications sent to more than one institution by an individual. The average number of applications filed to each sector per applicant can be shown by sector variation:

<u>Private Sector</u>	<u>State College System</u>	<u>U-Mass. System</u>	<u>Other Four- Year Publics</u>
1.4	2.4	1.4	1.3

The greater difference in the State College figure undoubtedly reflects their policy of one application fee for up to three college choices within the eleven college system.

In general, it does not appear that the vast majority of transfers are merely shopping around, but have rather definite ideas as to the college they most wish to attend.

What Are Some Of The Transfers' Demographic Characteristics?

In describing any given population, it is important to determine certain demographic characteristics germane to the focal point of the topic. At a time when much emphasis is being stressed on equal opportunity for all in higher education, it is particularly relevant to include in this study reference to the sex, age, marital status and veteran status of the transfer student population. For within this group falls a good number of the "new students" so aptly described by Patricia Cross in her book "The Learning Society" (Cross, 1974).

Age:

A rather interesting comparison developed as the age of the transfer applicants was computed and analyzed. Each of the three public systems had a significantly older population than did the private sector. This is not really surprising as more veterans and married students applied to public institutions. It is very likely that older students find the public institutions more appealing than the more expensive private colleges.

Table 35 shows the age comparison by sector. In the Private Sector nearly 60% of the transfer applicants are in the 17-19 age range, compared to less than 40% in the public sector. This also means that the private sector has a higher percentage of transfers applying at the freshman and sophomore year level than do the public. Most of the public institutions encourage transfers from two-year colleges to apply only after completing a two-year program. The University of Massachusetts at Amherst, with the exception of a few limited majors such as engineering and physical education, will not consider transfers unless

they have completed 54 or more semester hours.

None of the sectors has a high percentage of the over 30 crowd. Only 1% of the transfers to the private sector was over 30 while the State College System and the Other Four-Year Publics had 5% of their transfers over 30 years of age.

It is plain to see that many of the older students attend the public community colleges as 20% of the transfers from the community colleges were 24 years or older.

Of all the veterans who were applying for transfer, nearly 70% were 24 years or older.

It would be most interesting to determine how many of the older students who plan to transfer come from an evening division or part-time program. It would also be important to find out how many of the older students plan to transfer into a part-time program.

APPLICANTS' AGE

TABLE 35

YEARS	PRIVATE SECTOR	STATE COLLEGE SYSTEM	U-MASS SYSTEM	OTHER 4-YR PUBLICS	TOTAL
17-19	58.7%	39.9%	34.1%	36.5%	45.7%
20-23	33.5%	41.5%	48.9%	41.1%	40.7%
24-29	6.5%	13.8%	14.0%	17.5%	10.4%
30+above	1.3%	4.8%	3.0%	4.9%	3.2%

Males mean age - 20.1 years

Females mean age - 19.8 years

Applicants 24 years or older:

From 2 Yr Publics - 20.4%

From 2 Yr Privates - 11.7%

From 4 Yr Publics - 11.1%

From 4 Yr Privates - 6.5%

VETERANS:

17-19 Years - 0%

20-23 Years - 31.1%

24-29 Years - 63.3%

30+ Years - 5.6%

Sex:

Of the total transfer application pool, it was surprising to this writer to find nearly a 50-50 percent ratio between men and women. To be exact 50.4% were men and 49.6% were women. Table 36 provides a breakdown by sector of the admissions actions by sex. In the total transfer pool, 61% of the women were offered admission. There is just a slightly greater yield of accepted to enrolled for men than for women as 51% of the total enrolled transfers are men and 49% are women. Slightly more women than men enroll in the Private Sector and the State College System, while slightly more men than women enroll in the University of Massachusetts System and Other Four-Year Publics. Although a higher percentage of these women applicants at the University of Massachusetts were offered admission, the yield for women was lower. In the case of the Other Four-Year Publics, undoubtedly the lower women ratio is caused by the more male oriented engineering-technology curriculum of Lowell Technological Institute.

In general, it appears that there is little or no sex discrimination in the transfer admission practices in Massachusetts.

ADMISSIONS ACTION BY SEX

TABLE 36

	PRIVATE SECTOR % (Yield)					STATE COLLEGE SYSTEM % (Yield)					U-MASS-SYSTEM % (Yield)					OTHER 4-YEAR PUBLICS % (Yield)				
Sex	Acc	Rej	Enr	Acc	Enr	Acc	Rej	Enr	Acc	Enr	Acc	Rej	Enr	Acc	Rej	Enr	Acc	Rej	Enr	
Male	1954	1490	1231	57%	63%	1376	305	590	82%	43%	1539	1239	1161	55%	75%	585	85	509	87%	
Female	2295	1551	1404	60%	61%	1765	328	718	84%	41%	1379	906	1009	60%	73%	279	60	200	82%	
Total	4249	3041	2635	58%	62%	3141	633	1308	83%	42%	2918	2145	2170	58%	74%	864	145	709	85%	
Total Pool (MALE)																				
Actions	47%					45%					55%					66%				
Acc	46%					44%					53%					68%				
Rej	49%					48%					58%					59%				
Enrolled	47%					45%					54%					72%				
(FEMALE)																				
Actions	53%					55%					45%					34%				
Acc	54%					56%					47%					32%				
Rej	51%					52%					42%					41%				
Enrolled	53%					55%					46%					28%				

Marital Status:

Married transfer students had a high acceptance rate of 77%, and a high enrollment yield of 79%. Twelve percent of all transfer applicants were married, with 14% of the males and 10% of the females. A high percentage (46%) of the veterans were married.

As one might expect the private colleges had the lowest marital rate with only 6% of their applicants married, followed by the University of Massachusetts System with 12%, the State College System with 14%, and the Other Four-Year Publics with a high of 18%. Apparently, the higher costs of attending private colleges deters many married transfer students from applying.

In general, married transfer students have a good chance of acceptance at most colleges, and a high percentage of them enroll.

MARITAL STATUS

TABLE 37

APPLYING TO → APPLYING FROM ↓	Private Sector		State College System		U-Mass. System		Other 4-Year Publics		Totals	
	Acc.	Rej.	Acc.	Rej.	Acc.	Rej.	Acc.	Rej.	Acc.	Rej.
2-Yr. Publics	97	27	195	23	215	44	89	10	596	104
2-Yr. Private	40	10	29	5	31	10	12	1	112	26
4-Yr. Public	80	22	77	23	77	51	36	5	270	101
4-Yr. Private	89	43	42	19	63	55	20	1	214	118
Totals	306	102	343	70	386	160	157	17	1192	349
	75% Accepted 233 Enrolled 76% Yield		83% Accepted 208 Enrolled 61% Yield		71% Accepted 347 Enrolled 90% Yield		90% Accepted 149 Enrolled 95% Yield		77% Accepted 937 Enrolled 79% Yield	

Approximately 12% of all enrolled transfers were married

Parents Education:

Three very distinct findings were evident concerning the education of the parents of transfer students: (1) parents of students applying from four-year private colleges have more education than parents of students applying from the other kinds of colleges, (2) parents of students applying to private colleges have more education than parents of students applying to public colleges, and (3) the fathers have more education than the mothers. (See Tables 38 & 39)

The above three findings probably would not surprise many. However, it is interesting to note the variations between the groups. It probably reflects, at least to some degree, that the parents' income and parents' education are factors in the selection and attendance of colleges by their children.

It appears that many of the students in the public community colleges are first generation college bound as only 18% of the fathers and 8% of the mothers received at least a bachelors degree. These figures compare with 34% for fathers and 20% for mothers of those attending private junior colleges; 38% and 18% for fathers and mothers of those attending four-year publics; and 51% for fathers and 32% for mothers of those attending private four-year colleges.

When one takes into account the parents education, transfer students' heavy part-time work plans, and plans for financing their education after transfer, it becomes mandatory that those needy transfers be given better financial aid consideration.

It also becomes clear that students whose parents have less education and undoubtedly less income in general have little access opportunity to the more expensive private colleges.

PARENTS' EDUCATION

TABLE 38

Fathers Education	Applying to All Publics		Applying to All Privates	
	Father	Mother	Father	Mother
Less than High School	19%	14%	13%	11%
High School Diploma	39%	54%	25%	36%
1 Year of College	6%	7%	5%	7%
2 Years of College	9%	9%	10%	14%
Associate Degree	4%	4%	3%	4%
Bachelors Degree	15%	9%	27%	19%
Masters Degree	6%	2%	8%	8%
Doctorate Degree	2%	1%	9%	1%

PARENTS' EDUCATION

TABLE 39

Fathers Education	Public 2-Yr.		Applying From				Private 4-Yr.		Total	
	F	M	F	M	F	M	F	M	F	M
Less than High School	23	19	17	12	20	12	7	6	16	13
High School Diploma	43	57	33	41	26	45	22	36	32	45
1 Yr. of College	6	6	2	9	5	7	5	8	5	7
2 Yrs. of College	9	8	11	12	7	15	12	13	10	12
Associate Degree	3	2	3	6	4	3	3	5	3	4
Bachelors Degree	10	6	23	16	23	12	32	23	21	14
Masters Degree	4	1	6	4	8	5	11	8	7	4
Doctorate Degree	2	1	5	0	7	1	9	1	6	1

VETERANS:

Apparently in the eyes of transfer admissions officers in four year colleges and universities, the veteran is a good candidate. Of the 1380 applicants who were veterans, 1089 were offered admission. This represents a 79% acceptance rate. Of those who were accepted, 75% of them enrolled.

Table 40 shows a composite picture of the admissions pattern for veterans. Approximately 60% of the veteran applicants came from public two-year colleges, followed in descending order by public four-year colleges, private four-year colleges, and private two-year colleges. Each of the four sectors of the receiving colleges had high acceptance percentages for veterans.

The University of Massachusetts system had 336 enroll, followed by the Private Sector with 172, the State College System with 164, and the other four-year publics with 141.

From the figures in Table 40 it is safe to assume that the transfer applicant who is a veteran, is in demand and stands a good chance of acceptance at just about all kinds of four-year colleges.

ADMISSIONS PATTERN OF VETERANS

TABLE 40

APPLYING TO → APPLYING FROM ↓	Private Sector		State College System		U-Mass. System		Other 4-Year Publics		Totals	
	Acc.	Rej.	Acc.	Rej.	Acc.	Rej.	Acc.	Rej.	Acc.	Rej.
2-Yr. Publics	119	43	209	35	265	60	85	13	678	151
2-Yr. Privates	30	7	30	1	37	12	13	1	110	21
4-Yr. Publics	47	2	35	12	56	35	32	2	170	51
4-Yr. Privates	41	18	24	9	50	40	16	1	131	68
Totals	237	70	298	57	408	147	146	17	1089	291
	77% Accepted 172 Enrolled 73% Yield		84% Accepted 164 Enrolled 55% Yield		74% Accepted 336 Enrolled 82% Yield		90% Accepted 141 Enrolled 97% Yield		79% Accepted 813 Enrolled 75% Yield	

Approximately 12% of all the enrolled transfers were veterans

SUMMARY

At a time when mobility of students at the undergraduate level is at an all time high, it is mandatory that individual institutions, groups of colleges, and state agencies learn as much as possible about transfer students and the transfer process.

Massachusetts has made great strides in this direction over the past four years. Frederick Kintzers' national study on a state by state basis entitled "Middleman In Higher Education" (Kintzer, 1973), showed that Massachusetts was well on its way to becoming one of the states leading in the area of transfer articulation. Now with the newly enacted "Commonwealth Transfer Compact" in operation, the recently published "Guidelines For Articulation", and a solid data base on transfer students as a result of previous STAC studies and this study, Massachusetts can consider itself as knowledgeable in dealing with the transfer phenomenon, and a leader in the field. This is not to say that there is not room for improvement, for there is still much needed improvement. Nor does this mean that we have all the questions answered and all the information needed, but we now do have the footing on which to move forward and refine the whole transfer process.

This study attempted to answer many of the questions and concerns that individual colleges and universities, both public and private, and the state as a whole had about the thousands of students seeking transfer to higher education institutions in the state of Massachusetts. From this study we know that:

1. transfer admission is big business as 38,000 students submitted applications to 58 four-

year public and private colleges and universities in Massachusetts.

2. approximately one-third of all transfer applications are submitted by students from public community colleges; nearly one-third by students from private four-year colleges; a fifth by students from public four-year colleges; a tenth by students from private two-year junior colleges; and 3% from other kinds of colleges.
3. nearly two-thirds of all the transfer applicants were legal residents of Massachusetts, and that one-fifth of these Massachusetts residents were attending colleges outside Massachusetts and now wished to transfer back to institutions in Massachusetts.
4. private colleges are sought by many legal residents of Massachusetts, as nearly one-third of all transfer applicants to private colleges in the state were legal residents of Massachusetts.
5. the private sector enrolls nearly two-fifths of all the transfers, while the public sector enrolls three-fifths of all the transfers.
6. the very affluent and selective large private four-year colleges and universities are not much involved in the transfer scene.
7. in general, transfer students have good academic credentials, including both the high school criteria and previous college G.P.A.

8. according to the type of college from which they apply, the transfer candidates from the private four-year colleges present the best academic credentials, followed in descending order by applicants from public four-year colleges, from public two-year colleges, and private two-year colleges.
9. academic characteristics of applicants from the public community colleges and the private junior colleges are very similar.
10. many very well qualified transfer applicants are still being rejected, particularly by the highly selective private colleges. It is also true of the University of Massachusetts System for applicants from private and public four-year colleges.
11. applicants from the public community colleges have the highest ratio of acceptance by each of the sectors (Private Four-Year, State College System, University of Massachusetts, and Other Four-Year Publics).
12. applicants from four-year privates have the lowest ratio of acceptance by the Private Sector, the State College System, and the University of Massachusetts System.
13. in particular the State College System and the University of Massachusetts System reject a high proportion of those transfer applicants presenting previous G.P.A.'s below 2.5.

14. the ten most sought after academic majors in descending order from highest to lowest are: Social Sciences, Business, Psychology, Elementary Education, Biological Sciences, General Liberal Arts, Fine Arts, Special Education, Engineering, and Nursing.
15. in the private sector, the professional field majors of Business, Nursing, and education have higher acceptance ratios than other subject matter areas.
16. in the State College System, the highest percentage of acceptances went to the education majors, although they are attempting to increase their numbers in the non-teaching fields by accepting a high percentage of applicants to Business, Social Sciences, Psychology, and the Biological Sciences.
17. the Other Four-Year Publics provide good access to most majors with a high percentage of acceptance in all majors.
18. overall, the Biological Sciences, Fine Arts, and Nursing are the most difficult in which to be accepted as transfers.
19. most transfers expect to transfer into the junior year level (61%), followed by the sophomore level (33%), the freshman level (4%), and the senior level (2%).
20. the community and junior colleges do not lose many students by transfer after only one semester, but nearly a fifth try to transfer after the first year.

21. many more students apply to the private colleges after only one year than to the publics. Also, many of these one year transfer applicants are attempting to transfer from one four-year private to another four-year private.
22. nearly three-fourths of the transfer applicants from two-year colleges expect to obtain an associates degree before transferring (44% an A.A. degree, and 28% an A.S. degree).
23. a slightly higher percentage of acceptance (78%) was granted to the A.S. degree holder, than to the A.A. degree holder (71%).
24. in terms of educational aspirations, applicants from private four-year colleges had the highest educational goals followed in descending order by applicants from public four-year colleges, applicants from the public community colleges, and applicants from the private junior colleges.
25. males had slightly higher educational aspirations than did the females.
26. transfer students do not hope for much financial assistance from the receiving institutions financial aid office.
27. transfer applicants from the private colleges expect a high proportion of their college financing to come from family support, while applicants from public colleges will depend more upon work and savings.
28. nearly two-fifths of those applying to private colleges expect family support as their primary

source of funding, compared with one-fifth for those applying to public colleges.

29. because of the funding problems, transfer opportunity is lessened for applicants from public two-year colleges to private four-year colleges.
30. two-thirds of all transfers expect to work part-time, but applicants from the private colleges do not expect to work nearly as much as applicants from the public colleges. Three-fourths of the applicants from the public community colleges plan to work part-time. Males plan to work slightly more than the females.
31. transfer students definitely do not seek sorority/fraternity life as less than 1% expect to live in them.
32. residence conditions apparently affect the transfer candidates application patterns, and at least to some extent the admissions patterns. Applicants to the private colleges and U-Mass./Amherst place a high priority on residence living, while at the State College System and the Other Four-Year Publics, a high percentage seeks to commute from home.
33. in the private sector, one-half of those requesting residence hall living were rejected, compared with only one-fifth of those planning to commute from home. The percentages were similar at U-Mass./Amherst.
34. each of the public sectors had a significantly older population than did the private sector. However,

this is not surprising as the lesser expensive public institutions had more veterans and married student applicants than did the private sector.

35. none of the sectors had a high percentage of the over 30 crowd.
36. there was nearly a 50-50 percent ratio between male and female applicants. Except for the U-Mass. System, females had a higher percentage of acceptance than males. More females than males enrolled in the Private Sector and the State College System, while more males than females enrolled in the U-Mass. System and the Other Four-Year Publics.
37. twelve percent of all transfers were married. Married students have a good chance of acceptance as more than three-fourths of all married transfers were offered admissions, and nearly four-fifths of those accepted enrolled.
38. parents of students applying from private four-year colleges have more formal education than parents of students applying from other kinds of colleges. Parents of students applying to private four-year colleges have more formal education than parents of students applying to other kinds of colleges.
39. fathers of transfers have more formal education than the mothers.
40. a very high percentage of students in the public community colleges are first generation college bound students.

41. veterans have excellent chances of admission as transfers, as nearly four-fifths of them were accepted, and three-fourths of those accepted enrolled.
42. three-fifths of the transfer applicants who were veterans applied from the community colleges.
43. the vast majority of prospective transfers submit an application for transfer to only one college, as only one-fifth of the transfer candidates submitted an application to more than one college in Massachusetts. This percentage is even skewed more as applicants to the State College System are allowed to designate three of the State colleges on a single application. The State College applicants had a 2.4 application per student compared with 1.4 for the other sectors.

RECOMMENDATIONS

As a result of the findings of this study it is recommended that:

1. a continuous data collection system for transfer students be established on an institutional and state-wide level so that trends can be developed and studied. Such information can be used to alter policies and procedures where and when appropriate in the transfer process. Such a data collection system should be jointly sponsored by such agencies as the Board of Higher Education (BHE), the Association of Independent Colleges and Universities in Massachusetts (AICUM), the Transfer Review Council (TRC), the State Transfer Articulation Committee (STAC), and the College Entrance Examination Board. (CEEB)
2. improved financial aid policies and awards for transfers be implemented at all receiving institutions.
3. financial aid awards be granted by state agencies to transfer students who are Massachusetts residents so that more opportunity in college choice both public and private, may be available to those seeking transfer.
4. the more highly selective large private colleges and universities become more attuned to the transfer scene and enroll more transfer students.

5. the University of Massachusetts give more consideration to admitting students from private two-year colleges, public four-year colleges, and private four-year colleges.
6. the University of Massachusetts and the State College System consider admitting more transfer students with a previous college G.P.A. in the 2.0 to 2.5 range.
7. a position or office within the Board of Higher Education be established with the primary responsibility of serving as a central coordinating agency with public and private colleges, particularly in the area of inter-institutional curriculum articulation. This office would serve as a central resource center for state-wide articulation and work closely with the STAC and TRC.
8. colleges and universities provide more opportunity for on-campus housing where at all feasible. If colleges cannot accommodate transfers who wish to live on campus, they should assist them to find approved off-campus facilities.
9. the Private Sector consider ways of making their institutions more appealing and accessible to the older students.
10. information be made easily known to two-year college transfers about the part-time working considerations and opportunities available at receiving institutions. Heavy part-time work load should be discouraged at least for the first semester after transfer.

11. each college that deals in significant numbers of transfers provide within the admissions office, personnel who will devote full time to transfer applicants and the total transfer process.
12. each college or university that enrolls 300 or more transfer students yearly, establish an "Office of Transfer Affairs". This office should be the resource center for all matters pertaining to the transfer articulation process including admissions, credit evaluation, communication and recruitment programs, inter-institutional curriculum articulation, and liaison with the financial aid, housing, counseling and placement offices. Additional major responsibilities should be to provide feedback information to sending institutions, to conduct follow-up studies and other research projects involving transfers, and to keep its own faculty and administration abreast of the transfer students' trends and patterns.

APPENDIX A

Participating Institutions

<u>Private Sector</u>	<u>Number of Applications</u>
American International College	68
Amherst College	249
Anna Maria College	24
Assumption College	31
Atlantic Union College	20
Babson College	63
Bentley College	104
Boston College	983
Boston University	1889
Brandeis University	532
College of Our Lady of the Elms	19
College of the Holy Cross	68
Curry College	81
Eastern Nazarene College	19
Emerson College	24
Emmanuel College	24
Harvard University	576
Lesley College	73
Massachusetts Institute of Technology	163
Mount Holyoke College	171
Newton College	15
Nichols College	34
Northeastern University	571
Radcliffe College	409
Regis College	11
Smith College	121

Springfield College	162
Stonehill College	42
Suffolk University	338
Tufts University	772
Wellesley College	28
Western New England College	108
Williams College	198
Worcester Polytechnic Institute	<u>51</u>
Sub-total 34 institutions	8041

<u>State College System</u>	<u>Number of Applications</u>
Boston State College	798
Bridgewater State College	631
Fitchburg State College	505
Framingham State College	545
Lowell State College	361
Massachusetts College of Art	209
North Adams State College	326
Salem State College	983
Westfield State College	406
Worcester State College	<u>267</u>
Sub-total 10 institutions	5031

<u>University of Massachusetts System</u>	<u>Number of Applications</u>
University of Massachusetts/Amherst	3861
University of Massachusetts/Boston	<u>1421</u>
Sub-total 2 institutions	5282

Other Four-Year Publics

Number of Applications

Lowell Technological Institute

266

Southeastern Massachusetts University

1124

Sub-total 2 institutions

1390

Grand-total 48 institutions

19,744

In order to plan more effectively for adequate spaces and services for you and future transfers, it is imperative to obtain certain information. Please complete this information sheet with a No. 2 lead pencil (Do not use any kind of pen). Please respond to every question if you transfer at least once a year. To make it more convenient for you, it will be necessary to fill out a form for each college. Information on the sheet is for transfer only. Please do not fill out this form for admission. You must return this form with your application for admission.

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NAME LAST FIRST MIDDLE AGE 17-19 20-23 24-29 30+		SEX M F MARITAL MARRIED SINGLE		EDUCATION HIGHEST GRADE COMPLETED 1-12 COLLEGE 1-4 POSTGRADUATE 1-2		SOCIAL SECURITY NO. PRINT NO. IN SPACES JUST BELOW. THEN BLOCKEN CORRECT NO. IN EACH COLUMN.	
YOUTH MOST RECENT COLLEGE NAME ADDRESS CITY STATE ZIP		ESTIMATE OF HIGH SCHOOL AVERAGE 4.0 3.0 2.0 1.0 0.0		PREVIOUS MAJOR AGR. OR NAT. RESOUR. ARCH. OR ENVIR. DES. BIOLOGICAL SCIENCES BUSINESS & MGMT. COMMUNICATIONS COMPUTER SCIENCE ELEM. EDUCATION ENGINEERING FINE & APPLIED ARTS FOREIGN LANGUAGE GEN'L LIBERAL ARTS HEALTH SERVICES HOME ECONOMICS LIBRARY SCIENCE MATHEMATICS MILITARY SCIENCE NURSING PHYSICAL SCIENCE PSYCHOLOGY PUBLIC AFFAIRS SECONDARY EDUC. SOCIAL SCIENCES SPECIAL EDUC. OTHER		IF YOU ENTERED WORK MARKET TODAY, WHAT YEARLY SALARY COULD YOU EXPECT LESS THAN \$5,000 5,000 - 7,500 7,500 - 10,000 10,000 - 12,000 12,000 - 15,000 15,000 OR MORE	
RECOLLECTION OF BEST SAT SCORES VERBAL 700+ 650-699 600-649 550-599 500-549 450-499 400-449 350-399 300-349 BELOW 300		EDUCATIONAL GOALS ASSOCIATES BACHELORS MASTERS DOCTORATE NO DEGREE DO YOU PLAN TO OBTAIN AN ASSOCIATE DEGREE BEFORE TRANSFER? YES NO ASSOC. IN ARTS ASSOC. IN SCIENCE NC DEGREE CURRENTLY STUDYING FOR ASSOC. DEGREE BACHELORS DEGREE NO DEGREE		PARENTS AGE MOTHER FATHER Less than 40 41-45 46-50 51-55 56-60 60 OR OVER DECEASED		NUMBER OF BROS. AND SISTERS NOW IN COLLEGE NONE ONE TWO THREE FOUR Five or more	
CODE NUMBER (SEE COL. 1) WHICH APPLYING 1-12 13-24 25-36 37-48 49-60 61-72 73-84 85-96 97-108 109-120		IF TRANSFER PLAN TO WORK Less than 15 hrs. More than 15 hrs. Don't plan to work IF TRANSFER PLAN TO LIVE IN RESIDENCE HALL IN SR. OR FRAT. AT HOME IN OFF CAMPUS HOUSING		PARENTS EDUC. MOTHER FATHER Less than HS HS Diploma 1 Yr. of col. 2 Yrs. of col. Assoc. degree Bachelors Masters Doctorate		DO NOT WRITE BELOW Wdn before decis. Acc-No room Acc-but Wdn. Acc.-and Enroll Reject	
CURRENTLY In col. & work less than 15 hrs. In col. & work more than 15 hrs. In col. & not working Out of col.-working part time Out of col.-working full time Out of college-not working		PERCENT OF FINANCIAL SUPPORT FOR NEXT TWO YEARS 0-10 11-20 21-30 31-40 41-50 51-60 61-70 71-80 81-90 91-100		SOCIAL SECURITY NO. PRINT NO. IN SPACES JUST BELOW. THEN BLOCKEN CORRECT NO. IN EACH COLUMN.		DO NOT WRITE BELOW Wdn before decis. Acc-No room Acc-but Wdn. Acc.-and Enroll Reject	

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